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1933

# A PRELIMINARY LIST

OF THE

# INSECTS OF THE PROVINCE OF QUEBEC

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## Part II, DIPTERA

BY

A. F. WINN AND G. BEAULIEU

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REVISED AND SUPPLEMENTED

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Published as a supplement to 24th report of the Quebec Society for the Protection of Plants

1932

# INTRODUCTION

The only other list of the Diptera or Two-winged Flies of the Province of Quebec is that entitled, "A Preliminary List of the Insects of the Province of Quebec. Part II-Diptera", compiled by Winn & Beaulieu in 1915. This work, while excellent in plan and scope, is now of little use due to the vast increase in new species and locality records obtained since that time. In addition, there have been numerous changes in the nomenclature and classification.

The primary object of the authors of this revised list has been to furnish those interested in Entomology a list as nearly complete as possible. As it was not possible to study nearly all the material, errors must have been made and some of the species will sooner or later pass into synonomy.

The classification used is mainly that of C. H. Curran, except the Tipulidae, Tanyderidae, Ptychopteridae, Anisopodidae and Trichoceridae which were compiled by C. P. Alexander and the Culicidae and Simuliidae by C. R. Twinn. The vast majority of the work in compiling this list has been done by the junior author and any appreciation of this publication should largely go to him.

The principle publications studied in preparing this list were.—"Preliminary List of Quebec Insects: Part II—Diptera, Winn & Beaulieu, 1915; The Canadian Entomologist, Vols. XLV—LXIII inclusive; Annual Reports of the Entomological Society of Ontario, 1913-1931, inclusive.

The following collections were examined:—

Redpath Museum, McGill University, Montreal.
Canadian National Collection, Ottawa.
Rev. J. Ouellet, Deaf and Dumb Institute, Montreal.
Rev. Bro. Germain, Commercial Academy, Quebec.
Mgr. E. Roy, Levis College, Levis.
Rev. P. A. Begin, Sherbrooke Seminary, Sherbrooke.
Entomological Laboratory, Hemmingford.

In our search for records we received nothing but kindness and assistance from both stranger and friend. We can not omit, however, making special mention of Dr. C. P. Alexander for compiling the list of Tipulidae and closely related families and C. Howard Curran for reading the manuscript and for his assistance in arranging the families and genera. C. R. Twinn kindly assisted by compiling the Culicidae and Simuliidae and George Chagnon, Rev. J. Ouellet and Mgr. E. Roy supplied lists from their collections. It is a pleasure to acknowledge and extend thanks to all who assisted us so generously.

We wish to extend to the Department of Agriculture, Quebec, our sincerest thanks for the courtesy and generosity imparted to us through printing this publication.

# SYNOPSIS.—Diptera

| | | No. of species |
|---|---|---|
| Suborder *Orthorrhapha* | | |
| THE NEMOCERA | | |
| Families: | Tanyderidae | 1 |
| | Ptychopteridae | 2 |
| | Anisopodidae | 3 |
| | Trichoceridae | 3 |
| | Tipulidae | 246 |
| | Culicidae | 26 |
| | Psychodidae | 7 |
| | Chironomidae | 68 |
| | Cecidomyiidae | 7 |
| | Mycetophilidae | 28 |
| | Sciaridea | 2 |
| | Scatopsidea | 4 |
| | Simuliidae | 8 |
| | Bibionidae | 21 |
| | Blephariceridae | 1 |
| THE BRACHYCERA | | |
| Families: | Xylophagidae | 5 |
| | Stratiomyiidae | 44 |
| | Coenomyiidae | 1 |
| | Tabanidae | 52 |
| | Rhagionidae | 14 |
| | Cyrtidae | 6 |
| | Bombyliidae | 26 |
| | Scenopinidae | 1 |
| | Asilidae | 49 |
| | Therevidae | 12 |
| | Empididae | 65 |
| | Dolichopidae | 181 |
| | Lonchopteridae | 1 |
| Suborder *Cyclorrhapha* | | |
| THE ASCHIZA | | |
| Families: | Syrphidae | 205 |
| | Phoridae | 6 |
| | Platypezidae | 4 |
| | Pipunculidea | 19 |
| THE SCHIZOPHORA | | |
| Families: | Conopidae | 19 |
| | Pyrgotidae | 2 |
| | Platystomidae (Ortalidae) | 11 |
| | Trypaneidae (Trypetidae) | 16 |
| | Sepsidae | 11 |
| | Piophilidae | 4 |
| | Psilidae | 9 |
| | Diopsidae | 1 |
| | Ephydridae | 23 |
| | Chloropidae | 42 |
| | Drosophilidae | 13 |
| | Geomyzidae | 5 |
| | Milichiidae | 7 |
| | Ochthiphilidae | 3 |
| | Agromyzidae | 31 |
| | Borboridae | 14 |
| | Sapromyzidae | 23 |
| | Lonchaeidae | 5 |
| | Pallopteridae | 2 |
| | Micropezidae | 5 |
| | Clusiidae | 4 |
| | Tetanoceridae | 35 |
| | Heleomyzidae | 11 |
| | Phycodromidae | 1 |
| | Dryomyzidae | 2 |
| | Oestridae | 2 |
| | Muscidae (including Gasterophilidae, Anthomyiidae and Scatophagidae) | 258 |
| | Calliphoridae (including Sarcophagidae) | 49 |
| | Tachinidae (including Phasiidae, Megaprosopidae and Dexiidae) | 175 |
| PUPIPARA | | |
| Family:— | Hippoboscidae | 5 |
| | Total | 1901 species |

# DIPTERA

Suborder **Orthorrhapha**

## THE NEMOCERA

### TANYDERIDAE

**Protoplasa** Osten Sacken

**P. fitchii** O. S. — River Pabos, June 26—July 1, 28 (Crampton): (The very unusual occurrence of this rare fly has been discussed by Crampton (Can. Ent. 61: p. 70, 1929).

### PTYCHOPTERIDAE

**Ptychoptera** Meigen

**P. rufocincta** O. S. — Montreal; Rigaud, June 26, 06 (Beaulieu): Laurentian National Forest, June 24, 31 (Alexander).

**Bittacomorpha** Westwood

**B. clavipes** Fab. — Montreal (Beaulieu): St. Hilaire, July: Levis, July (Fyles): Cap à l'Aigle, July (Winn): Knowlton, July (McDunnough): St. Honoré, June; Black Lake, June 22, 31; Laurentian National Forest, June 24; Escuminac, July 2, 31 (Alexander):

### ANISOPODIDAE

**Anisopus** Meigen

(**Rhyphus** Latreille)

**A. alternatus** Say — Levis (Fyles): Rigaud, Aug. (Ouellet): Hemmingford, July (Hammond): Ottawa Dist., May (Germain): Sherbrooke, May (Begin):

**A. fenestralis** Scop. — Prov. of Quebec (Van der Wulp): Rouville Co., Oct. (Chagnon): Montreal, June (Ouellet): Sherbrooke, Apr. (Begin):

**A. punctatus** Fab. — Montreal, May; Vaudreuil Co. (Beaulieu): Levis, May (Roy): Rouville Co., July; St. Johns Co., May (Chagnon): Hemmingford, July (Hammond): Ottawa Dist., June (Germain): Sherbrooke, May (Begin):

### TRICHOCERIDAE

**Trichocera** Meigen

**T. maculipennis** Fab. — Montreal, Aug. (Beaulieu): (Johnson det.)

**T. regelationis** Linn. — Montreal, Sept. (Beaulieu): (Johnson det.)

**Diazosma** Bergroth)

**D. subsinuata** Alex. — Grand Etang, June 27, 31 (Alexander):

## TIPULIDAE

### Subfamily TIPULINAE

#### **Ctenophora** Meigen

**C. apicata** O. S. — Montreal, June (Beaulieu & Chagon):

#### **Tanyptera** Latreille)

**T. atrata** Linn. — Quebec (Van der Wulp): Ste. Rose, July (Beaulieu): (Identity entirely problematical (Alex.):

**T. dorsalis** Walk. — St. Johns Co., Aug. (Chagnon): (Identity problematical (Alex.):

**T. frontalis** O. S. — Wakefield, June 14, 26 (Ide):

**T. fumipennis** O. S. — Bergerville, (Fyles): Montreal, June (Beaulieu):

**T. topazina** O. S. — Montreal (Chagnon): Wakefield, June 14, 26 (Ide):

#### **Prionocera** Loew

**P. fuscipennis** Lw. — Montreal, July 5, 02 (Beaulieu): Rigaud, June (Chagnon): (Includes also Tipula illustris Doane of the W. B. List).

#### **Nephrotoma** Meigen

**N. brevioricornis** Doane — Shawbridge, Aug. 10, 29 (Winn): Knowlton, July 3-7, 29 (McDunnough): Matapedia, July 3, 31 (Alexander):

**N. eucera** Lw. — Montreal, June (Beaulieu): Hull, June: Laurentian Mts., June (Beaulne):

**N. euceroides** Alex. — Knowlton, Aug. 2, 29 (Milne): East Angus, June 22, 31; Magog, June 21, 31; Laurentian National Forest, June 24, 31 (Alexander):

**N. ferruginea** Fab. — Quebec, July (Fyles): Montreal, Aug. (Chagnon): Gatineau, July (Beaulieu): Hull, July (Beaulne): Rougemont, Aug. 12, 25 (Hammond): Hemmingford, July 29, 23 (Petch): Gaspé, north shore, July 1-5, 28 (Crampton): Shawbridge, July 4, 29 (Winn): Knowlton, July 30, 29 (Walley): Mont-Joli, June 17, 29 (Alexander): Amherst Is. July 15, 17 (A. G. Huntsman):

**N. incurva** Lw. — Montreal, June (Beaulieu): Aylmer, June—July (Beaulne): Hull, June 10, 23 (Curran): Bolton Centre, June 29, 28 (Fisk):

**N. lineata** Scop. — (All american records erroneous).

**N. lugens** Lw. — Quebec (Fyles): Montreal, June (Winn): July 5, 26 (Ryan): Hemmingford, July 2, 25 (Hammond): Covey Hill, June 28, 24 (Walley). Stoke Centre, June, 26, 12: Gaspe, south shore, June 26—July 1, 28 (Crampton): Aylmer, May 31, 28 (Fisk): Riviere du Loup, June 25, 31 (Alexander):

**N. macrocera** Say — Ft. Coulonge, July 9, 17 (Beaulne):

**N. occipitalis** Lw. — Coaticook, Sept. (Beaulne):

**N. pedunculata** Lw. — Shawbridge, June 24, 29 (Winn.):

**N. sodalis** Lw. — Montreal, Aug. (Beaulieu): Hull, July (Beaulne):

**N. tenuis** Lw. — St. Johns Co., Aug. (Chagnon): Chambly Co. (Beaulieu):

**N. xanthostigma** Lw. — Montreal, Aug. (Beaulieu): Shawbridge, Aug. 12, 29 (Winn): Foster, July 31, 29; Missisquoi River, Bolton, July 5, 29 (Walley):

#### **Tipula** Linnaeus

##### Subgenus **Tipula** Linnaeus

**T. abdominalis** Say — Gatineau, July (Beaulieu): Hull, June (Beaulne): Lac Masson, July 15, 09 (A. Arcand): Knowlton, June 26, 28 (Fisk); July 9, 29 (Milne): Missisquoi River, Bolton, July 13, 29 (Walley):

**T. angulata** Lw. — Aylmer, June (Beaulne): Montreal, June (Beaulieu): Hemmingford, June 2, 23 (Baker): Rouville: Magog, June 21, 31; Thetford Mines, June 22, 31; Grand-Etang, June 27, 31; Anse Pleureuse, June 27, 31 (Alexander):

**T. angustipennis** Lw. Montreal, June (Chagnon): Rigaud, June (Beaulieu): Chelsea, May-June, (Fyles): Hull, June (Beaulne): Lachine, June 11, 26 (Ide): Aylmer, May 23-24, 19 (Hutchings): Hemmingford, May 27, 25 (Hammond): June 2, 23 (Baker): Notre Dame du Lac, June 17, 29 (Alexander): Riviere du Loup, June 17, 29 (Crampton):

**T. apicalis** Lw. Chelsea, July 2, 12 (Gibson): Orford Lake, July 10, 20 (Winn): Fulford, June 20, 29; Knowlton, July 25, 25 (Milne):

**T. balioptera** Lw. Bradore Bay, July 19-23, 29 (Brown):

**T. bella** Lw. Montreal; St. Johns Co., July-Aug. (Chagnon): Aylmer, June 3, 24 (Curran): Rougemont, Aug. 12, 25 (Hammond): Kirks Ferry, Aug. 22, 24 (Ide): Knowlton, Aug. 19, 29 (Walley):

**T. bicornis** Forbes Montreal, June; Rigaud, June (Beaulieu): Newaygo, June (Winn): Sherbrooke, July 2, 16: Megantic, July 6, 16: Fulford, June 22, 29 (Walley): Petit Lac Magog, June 21, 31; East Angus, June 22, 31; Black Lake, June 22, 31 (Alexander): Knowlton, June 26, 28 (Adams): June 21-24, 29 (Walley):

**T. caloptera** Lw. Wakefield, July 27, 26 (Ide):

**T. canadensis** Lw. New Richmond, July 1, 31 (Alexander):

**T. centralis** Lw. Bradore Bay, July 19, 29 (Brown):

**T. cincticornis** Doane (includes **mingwe** Alex.) Montreal, Aug. (Beaulieu): Aylmer, Aug. 14, 19 (Hutchings): Kingsmere, July 23, 19 (Chrystal):

**T. collaris** Say (as **Pachyrhina** in the W. B. List). Montreal, June (Beaulieu): Laurentian National Forest, June 24, 31 (Alexander).

**T. cunctans** Say. Aylmer, Sept. 21-28, 24 (Curran):

**T. decora** Doane Montreal (Chagnon):

**T. dejecta** Walk. Montreal, Aug. (Beaulieu), a doubtful record: Broadview, May 15, 25 (Walley), May 27, 25 (Ide): Hemmingford, May 26, 25 (Hammond): Chelsea, May 30, 23 (Ozburn): Aylmer, May 25, 24; May 10, 25; Hull, May 23, 25 (Curran): St. Hilaire, May 29, 20; Como, May 16, 20 (Winn):

**T. eluta** Lw. Gatineau, July (Beaulieu): Aylmer, June (Beaulne): Hull, July 28, 20 (McDunnough): Gaspe, north shore, July 1-5, 28 (Crampton):

**T. entomophthorae** Alex. Knowlton, July 12, 29 (Walley): Harrington Harbour, July 3, 29; Mekattina Sanctuary, July 8, 29 (Brown): Thetford Mines, June 22, 31; Laurentian National Forest, June 24, 31 (Alexander):

**T. fragilis** Lw. Aylmer, Sept. 28, 24 (Curran):

**T. gaspensis** Alex. Perce, June 29-30, 31; Cap Morne, June 27, 31; Laurentian National Forest, June 24, 31 (Alexander): Gaspe, south shore, June 26—July 1, 28; Gaspe north shore, July 1-5, 28 (Crampton): Bradore Bay, July 19-24, 29 (Brown):

**T. grata** Lw. Aylmer, June—July (Beaulne): Knowlton, July 24—Aug. 12-14, 29 (Milne): Magog, June 21, 31; St. Jean l'Evangeliste, July 2, 31 (Alexander):

**T. hebes** Lw. Montreal, June; Rigaud, June (Beaulieu): Ottawa Golf Club, Aug. 14, 24 (Ide): Hull, June (Beaulne): Hemmingford, Aug. 14, 25 (Hammond): Aylmer, June 27, 24 (Curran): Shawbridge, Aug. 1, 29 (Winn): Knowlton, July 24-Aug. 29, 29 (Milne & Walley): Metis-sur-mer, June 26, 31 (Alexander):

**T. hermannia** Alex. Wakefield, July 27, 26 (Ide): Covey Hill, June 23, 24; Knowlton, July 9, 29 (Walley): Megantic, July 6, 16: Shawbridge, July 2-10, (Winn):

**T. hinei** Alex. Gaspe north shore, July 1-5, 28 (Crampton):

**T. idei** Alex. Laurentian National Forest, June 24, 31; Perce, June 29-30, 31; Anse Pleureuse, June 27, 31; Escuminac, July 2, 31 (Alexander):

**T. inermis** Doane (see also **T. umbrosa**): Montreal, June (Chagnon): Gatineau, July (Beaulieu):

**T. iroquois** Alex. (**T. cincta** Lw. of the W. B. List): Levis (Fyles): St. Honore, June 17, 29; Flatland, June 22, 29; Anse Pleureuse, June 27, 31; Perce, June 29-30, 31 (Alexander):

**T. labradorica** Alex. Abitibi region, July 16 (Cook): Piastre Bay, June 16, 21 (Lewis):

**T. latipennis** Lw. (**T. ottawaensis** Dietz, of the W. B. List): Aylmer, (Beaulne): Hemmingford, July 7-Aug. 2, 25 (Hammond): Gaspe, north shore, July 1-5, 28 (Crampton): Knowlton, July 4, 28 (Fisk), June 23, -July 24, 29 (Milne & Walley): Amherst Is. July 15, 17 (A. G.

Huntsman): Escuminac, July 2, 31; Laurentian National Forest, June 24, 31 (Alexander):

**T. megaura** Doane. Aylmer, June (Beaulne):

**T. monticola** Alex. Aylmer, June 13, 26 (Curran): Cascade, June 12, 23 (Ozburn): Knowlton, June 14, 28 (Fisk):

**T. nebulipennis** Alex. Old Fort Is. July 13, 29; Bonne Esperance, July 14, 29 (Brown):

**T. nobilis** Lw. Gaspe, south shore, June 26-July 1, 28 (Crampton): Knowlton, June 12, 28 (Adams), June 21, 29 (Walley), Thetford Mines, June 22, 31; Escuminac, July 2, 31 (Alexander):

**T. noveboracensis** Alex. Knowlton, June 26, 28 (Fisk), July 9, 29 (Milne): Missisquoi River, Bolton, July 13, 29 (Walley): Laurentian National Forest, June 24, 31 (Alexander):

**T. parshleyi** Alex. Aylmer, June 3, 25 (Hutchings): Gaspe, north shore, July 1-5, 28 (Crampton): Grand Etang, June 27, 31; Matapédia, June 18, 29; Petit Lac Magog, June 21, 31; Andreville, June 25, 31; Anse Pleureuse, June 27, 31; Manche d'Epee, June 27, 31; New Richmond, July 1, 31; Flatland, July 2, 31 (Alexander):

**T. penobscot** Alex. Gaspe, both shores, June 26—July 5, 28 (Crampton): Notre-Dame du Lac, June 17, 29; Lake Matapedia, June 18, 29; Perce, June 29-30, 31; Escuminac, July 2, 31; (Laurentian National Forest, June 24, 31 (Alexander):

**T. retorta** Alex. Recorded from the Province of Quebec by Van der Wulp; identity problematical.

**T. rohweri** Doane Amherst Is., July 12, 17 (A. G. Huntsman): (Recorded by Dietz, (Can. Ent. 52: 5; 1920), possibly an erroneous identification).

**T. sayi** Alex. (**T. costalis** Say, of the W. B. List). Montreal, (Chagnon): Gatineau, July (Beaulne): Hull, July (Beaulieu), July 28, 20 (McDunnough): Rougemont, Aug. 12, 25 (Hammond): Kirks Ferry, Aug. 5, 25 (Walley): Shawbridge, Aug. 2-19, 29 (Winn):

**T. senega** Alex. (**T. pallida** Lw. of the W. B. List). Newaygo, June (Winn): Wakefield, July 14, 26 (Ide): Megantic, June 20, 23 (Curran): Sherbrooke July 2, 16: Knowlton, June 12-14, 28 (Fisk): Lake Matapedia, June 18, 29; Anse Pleureuse, June 27, 31 (Alexander):

**T. serta** Lw. Montreal (Chagnon): Rouville Co. (Chagnon): Rigaud, June (Beaulieu): Aylmer, May 26, 19-June 5, 30 (Hutchings): Chelsea, June 17, 16 (Gibson): Bradore Bay, July 15, 21 (Lewis): Knowlton, June 14, 28 (Fisk), June 21, 29 (Walley): Kazubazua, June 28, 28 (Brown): Mont Joli, June 17, 29; Escuminac East, June 21, 29 (Alexander):

**T. strepens** Lw. Knowlton, June 14, 28; Montmorency Falls, June 24, 31; Grand Etang, June 27, 31 (Alexander):

**T. submaculata** Lw. Knowlton, July 25, 29 (Milne):

**T. subserta** Alex. Bradore Bay, July 19, 29 (Brown):

**T. sulphurea** Doane Montreal, July (Beaulieu), May 26, 01 (Chagnon): Gaspe, north shore, July 1-5, 28 (Crampton): Escuminac East, June 21, 29 (Alexander):

**T. tephrocephala** Lw. Aylmer, June (Beaulne): Hull, May 21, 04; Gaspe, south shore, June 26-July 1, 28 (Crampton: Knowlton, June 20, 29 (Walley) Magog, June 21, 31; Black Lake, June 22, 31; Anse Pleureuse, June 27, 31; Laurentian National Forest, June 24, 31; Grand Etang, June 27, 31; Perce, June 29-30, 31; New Richmond, July 1, 31; East Angus June, 22, 31; (Alexander):

**T. trivittata** Say Quebec (Fyles): Montreal, June; Gatineau, July (Beaulieu): Ste Anne, June 24, 25; Lachine, June 11, 26 (Ide): Aylmer, June 12, 22 (Hutchings), June 22, 24 (Curran): Amherst Is., July 15, 17 (A. G. Huntsman): New Richmond, July 1, 31 (Alexander):

**T. ultima** Alex. (**T. flavicans** Fab., of the W. B. List). Montreal, Sept. (Chagnon): St. Johns Co., Sept. (Beaulieu): Hull, Sept. 25, 23 (Curran): Aylmer Sept. 18, 23 (Hutchings): Shawbridge, Sept. 5-6, 29 (Winn):

**T. umbrosa** Lw. (Probably includes **T. inermis** Doane, of the W. B. List). Kingsmere, Aug. 3, 19 (Chrystal): Kirks Ferry, Aug.22, 24 (Ide): Abitibi region July 1916 (Cook): Knowlton, July 12-Aug. 2, 29 (Milne): Amherst Is., July 15, (A. G. Huntsman): (Reported by Dietz (Can. Ent. 52: 5; 1920) as **T. inermis** Doane).

**T. unimaculata** Lw. Fort Coulonge, Aug. 20, 17 (Beaulne): Shawbridge, July 14—Sept. 1, 29 (Winn):

**T. valida** Lw. (Includes also **T. calva** Doane of the W. B. List). Rigaud, June (Beaulieu): Hull, June 20, 03; Aylmer, June;(Beaulne), June 15, 25 (Curran):

**T. vicina** Dietz Kazubazua, May 28, 28 (Brown): Riviere Du Loup, June 17, 29 (Crampton):

**T. vitrea** Wulp (Recorded from the Province of Quebec by Van der Wulp; identity problematical).

**T. youngi** Alex. (**T. macrolabis** Lw., of the W. B. List): Aylmer, June (Beaulne): Seven Islands, Aug. 9, 24 (Waugh): Shawbridge, July 5, 29 (Winn):

Subgenus **Trichotipula** Alexander

**T. oropezoides** Johns. Laurentian National Forest, June 24, 31: Montmorency Falls, June 24, 31: Escuminac, July 2, 31 (Alexander):

**Dolichopeza** Curtis

Subgenus **Dolichopeza** Curtis

**D. americana** Ndm. Gaspe, north shore, July 1-5, 28 (Crampton):

**D. americana** Ndm. Gaspe north shore, July 1-5, 28 (Crampton): Knowlton, July 12, 29 (Walley): West Bolton Creek, June 26, 29 (Walley): Laurentian National Forest, June 24, 31; Metis-sur-mer, June 26, 31; Perce, June 29-30, 31; Grand Etang, June 27, 31; Cap Morne, June 27, 31; Ruisseau Castor, June 27, 31; Trois Pistoles, June 25, 31 (Alexander):

Subgenus **Oropeza** Needham

**D. albipes**, Johns. Montreal, June (Beaulieu):

**D. dorsalis** Johns. Knowlton, July 4-13, 29 (Walley): Laurentian National Forest, June 24, 31 (Alexander):

**D. obscura** Johns. Rigaud, June (Beaulieu): Knowlton, June 29—July 12, 29 (Walley): New Richmond, July 1, 31; Escuminac, July 2, 31 (Alexander):

**D. polita** Johns. Knowlton, June 29—July 12, 29 (Valley):

**D. venosa** Johns. Gaspe, north shore, July 1-5, 28 (Crampton): West Bolton Creek, June 26, 29 (Walley): Thetford Mines, June 22, 31 (Alexander):

**D. walleyi** Alex. Knowlton, July 4-12, 29 (Walley): Thetford Mines, June 22, 31; Laurentian National Forest, June 24, 31 (Alexander):

Subfamily CYLINDROTOMINAE

**Phalacrocera** Schiner

**P. neoxena** Alex. Hemmingford, June 27, 23 (Baker):

**P. tipulina** O. S. Laurentian National Forest, June 24, 31; Andreville, June 25, 31 (Alexander):

**Cylindrotoma** Macquart

**C. americana** O. S. Escuminac, July 2, 31 (Alexander):

**Liogma** Osten Sacken

**L. nodicornis** O. S. Montreal, June (Chagnon): St. Johns Co., June, July 20, 01 (Beaulieu): Stoke Centre, June (Winn): Megantic, July 6, 16: Meach Lake, June 21, 16: Gaspe, both shores, June 26—July 5, 28 (Crampton): Knowlton, June 12, 28 (Adams); June 21, July 21, 29 (Milne): Laurentian National Forest, June 24, 31; Metis-sur-mer, June 26, 31; Anse Pleureuse, June 27, 31; Escuminac, July 2, 31; Flatland, July 2, 31 (Alexander):

## Subfamily LIMONIINAE

### Tribe Limoniini

### **Limonia** Meigen

#### Subgenus **Limonia** Meigen

**L. cinctipes** Say — Montreal, May (Beaulieu): Hemmingford, July 30, 25 (Hammond): Aylmer, Aug. 10, 24 (Curran): Gaspe, north shore, July 1-5, 28 (Crampton): Knolwton, July 2, 28 (Adams), July 21, 29 (Milne): Flatland, June 22, 29 (Alexander):

**L. globithorax** O. S. — Riviere du Loup, June 17, 29 (Alexander): Matapedia Valley, June 18, 29 (Crampton):

**L. hudsonica** O. S. — Gaspe, north shore, July 1-5, 28 (Crampton): Laurentian National Forest, June 24, 31; Flatland, July 2, 31; Anse Pleureuse, June 27, 31; Grand Etang, June 27, 31; Escuminac, July 2, 31 (Alexander):

**L. indigena** O. S. — Sherbrooke Co., May-June; Vaudreuil Co., Apr. 30, 02 (Beaulieu): Matapedia, June 18, 29; Magog, June 21, 31; Thetford Mines, June 22, 31; Metis-sur-mer, June 26, 31; Laurentian National Forest, June 24, 31; Grand Etang, June 27, 31 (Alexander):

**L. pubipennis** O. S. — Laurentian National Forest, June 24, 31; Escuminac, July 2, 31 (Alexander):

**L. simulans** Walk. — Knowlton, July 11, 29 (Walley): Montmorency Falls, June 24, 31; Riviere du Loup, June 25, 31; New Richmond, July 1, 31 (Alexander):

**L. solitaria** O. S. — Ottawa Golf Club, Aug. 14, 24; Kirks Ferry, Aug. 5, 25; Knowlton, July 30—Aug. 6, 29 (Walley): St. Hilaire, July (Chagnon): Gatineau, July (Beaulieu): Hull, July (Beaulne): Rouville: Aylmer, Aug. 28, 24; Kirks Ferry, Aug. 22, 24 (Ide): Gaspe, north shore, July 1-5, 28 (Crampton): Magog, June 21, 31; East Angus, June 22, 31; Anse Pleureuse, June 27, 31; Perce, June 29-30, 31; Escuminac, July 2, 31 (Alexander):

**L. triocellata** O. S. — Shawbridge, Aug. 19, 29 (Winn):

**L. tristigma** O. S. — Kirks Ferry, Aug. 5, 25 (Walley):

#### Subgenus **Discobola** Osten Sacken

**L. argus** Say — Wakefield, July 26 (Ide): St. Hilaire, June 27, 16: Aylmer, Aug. 8, 24 (Curran), Sept. 4, 24 (Walley):

#### Subgenus **Dicranomyia** Stephens

**L. adirondacensis** Alex. — Knolwton, July 10, 29 (Milne):

**L. brevivena** O. S. — Aylmer, Sept. 21, 24 (Curran):

**L. distans** O. S. — (of the W. B. List erroneous).

**L. gladiator** O. S. — Aylmer, Sept. 14, 24 (Curran):

**L. halterata** O. S. — Flatland, June 22, 29; Thetford Mines, June 22, 31; Laurentian National Forest, June 24, 31; Metis-sur-mer, June 26, 31; Perce, June 29-30, 31; Chandler, July 1, 31 (Alexander):

**L. humidicola** O. S. — Gaspe, both shores, June 26—July 5, 28 (Crampton): Perce, June 20, 29; Escuminac East, June 21, 29; Riviere du Loup, June 25, 31; Cap Morne, June 27, 31; Grand Etang, June 27, 31 (Alexander): (**L. badia** of authors, nec Walk).

**L. immodesta** O. S. — Montreal, Sept.; Rigaud, June (Beaulieu): Sherbrooke, July 2, 16: Megantic, July 6-7, 16: Magog, June 21, 31; East Angus, June 22, 31; Thetford Mines, June 22, 31; Anse Pleureuse, June 27, 31 (Alexander):

**L. iowensis** Rogers — Knowlton, July 23-24, 29 (Milne): Perce, June 29-30, 31 (Alexander):

**L. liberta** O. S. — Montreal, June (Chagnon): Rigaud, June (Beaulieu): Knowlton, June 12, 28 (Fisk): Notre-Dame du Lac, June 17, 29; East Angus, June 22, 31; Laurentian National Forest, June 24, 31; Andreville, June 25, 31; Perce, June 29-30, 31 (Alexander):

**L. longipennis** Schumm. — Province of Quebec, (Osten Sacken): Knowlton, June 20, 29 (Walley):

**L. morioides** O. S. — Magog, June 21, 31; Thetford Mines, June 22, 31; Anse Pleureuse, June 27, 31; Chandler, July 1, 31; Escuminac, July 2, 31 (Alexander):

**L. nycteris** Alex. — Gaspe, north shore, July 1-5, 28 (Crampton): St. Honore, June 17, 29 (Alexander): (Known hitherto only from Alberta).

**L. profunda** Alex. — Gaspe, south shore, June 26—July 1, 28 (Crampton): Knowlton, July 26, 29 (Milne): Matapedia Valley, June 18, 29 (Crampton): New Richmond, June 19, 29; Laurentian National Forest, June 24, 31; Perce, June 29-30, 31; St. Jean l'Evangeliste, July 2, 31 (Alexander):

**L. pudica** O. S. — Montreal, July (Beaulieu): Rigaud, June (Chagnon):

**L. sphagnicola** Alex. — Maniwaki, June 25, 25 (Curran): Gaspe north, shore, July 1-5, 28 (Crampton): Knowlton, July 4, 29 (Walley): Magog, June 21, 31; East Angus, June 22, 31; Thetford Mines, June 22, 31; Laurentian National Forest, June 24, 31; Perce, June 29-30, 31; New Richmond, July 1, 31; Escuminac, July 2, 31; Black Lake, June 22, 31 (Alexander):

**L. uliginosa** Alex. — Mutton Bay, July 11, 29; Bradore Bay, July 19-24, 29 (Brown): Ste Anne des Monts, June 26, 31 (Alexander):

Subgenus **Rhiphidia** Meigen

**L. fidelis** O. S. — Knowlton, July 4—Aug. 6, 29 (Milne & Walley):

**L. maculata** Mg. — Chambly Co., Sept.: Rigaud, June (Beaulieu): Aylmer, June (Beaulne), Sept. 28, 24 (Curran): Megantic, July 6, 16: Shawbridge, July 2-19, 29 (Winn): Metis-sur-mer, June 26, 31; Grand Etang, June 27, 31 (Alexander):

Subgenus **Geranomyia** Haliday

**L. canadensis** Westw. — Flatland, June 21, 29 (Alexander):

**L. rostrata** Say — Shawbridge, Aug. 14—Sept. 1, 29 (Winn): Knowlton, July 4, 29 (Walley)

**Dicranoptycha** Osten Sacken

**D. germana** O. S. — Knowlton, July 12—Aug. 2, 29 (Milne):

**Antocha** Osten Sacken

**A. opalizans** O. S. — St. Johns Co., June 14, 19 (Chagnon): Montmorency Falls, June 24, 31 (Alexander):

**A. saxicola** O. S. — (Records confused with **A. opalizans** O. S.) Montreal, June—Sept. (Winn): Gatineau, July (Beaulieu): Coaticook, Sept. (Beaulne): Lachine, June 16, 25 (Ide): Covey Hill, June 17-21, 24; Fulford, June 22, 29; Knowlton, June 20-29, 29 (Walley): Laurentian National Forest, June 24, 31 (Alexander):

**Helius** St. Fargeau et Serville

**H. flavipes,** Macq. — Montreal, June—Aug. (Chagnon): Ottawa Golf Club, Aug. 13, 24 (Ide): Coaticook, June; Hull, July (Beaulne): Wakefield, July 14, 26; Knowlton, June 23, 29 (Walley): Magog, June 21, 31; Petit Lac Magog, June 21, 31 (Alexander):

Tribe PEDICIINI

**Pedicia** Latreille

**P. albivitta** Walk. — Quebec (Fyles): Gatineau, July; Aylmer, June (Beaulieu):

**P. contermina** Walk. — Escuminac East, June 21, 29 (Alexander):

**Tricyphona** Zetterstedt

**T. auripennis** O. S. Flatland, June 21-22, 29 (In small gorge resting on cliff walls and flying overhead.); Cap Morne, June 27, 31; Perce, June 29-30, 31 (Alexander):

**T. autumnalis** Alex. (as **T. calcar** O. S. in the W. B. List). Meach Lake, Sept. (Fyles), Sept. 2, 03 (Fletcher): Tadousac, Aug. 10, 19; Shawbridge, July 27, 29 (Winn):

**T. calcar** O. S. Stoke Centre, June (Winn): Gaspe, south shore, June 26—July 1, 28; Flatland, June 22, 29 (Crampton): Mutton Bay, July 11, 29 (Brown): Matapedia Valley, June 18-19, 29; Escuminac East, June 21, 29; Thetford Mines, June 22, 31; Laurentian National Forest, June 24, 31; Grand Etang, June 27, 31; Ruisseau Castor, June 27, 31; Anse Pleureuse, June 27, 31; Perce, June 29-30, 31 (Alexander):

**T. hyperborea** O. S. Seven Islands, July 18, 24 (Waugh):

**T. inconstans** O. S. Aylmer, June (Beaulne), Aug. 24, 25 (Curran): Rigaud, July, 27: Broadview, May 27, 25 (Ide): Gaspe, both shores, June 26—July 5, 28 (Crampton): Shawbridge, Aug. 19, 29 (Winn): Bradore Bay, July 21, 29 (Brown): Escuminac East, June 21, 29; Magog, June 21, 31; Petit Lac Magog, June 21, 31; East Angus, June 22, 31; Thetford Mines, June 22, 31; Laurentian National Forest, June 24, 31; Montmorency Falls, June 24, 31; Ste Anne des Monts, June 26, 31; Grand Etang, June 27, 31 (Alexander):

**T. vernalis** O. S. Knowlton, July 4, 29 (Walley): Escuminac East, June 21, 29 (Alexander):

**Dicranota** Zetterstedt

Subgenus **Dicranota** Zetterstedt

**D. iowa** Alex. Aylmer, May 10, 25 (Curran): Notre Dame du Lac, June 17, 29 Alexander): Matapedia Valley, June 18, 29 (Crampton):

**D. noveboracensis** Alex. Wakefield, June 14, 26 (Ide):

Subgenus **Rhaphidolabis** Osten Sacken

**D. cayuga** Alex. Flatland, June 21, 29 (Crampton): St. Honore, June 17, 29; Matapedia Valley, June 18, 29; Laurentian National Forest, June 24, 31 (Alexander):

**D. confusa** Alex. Ruisseau Castor, June 27, 31 (Alexander):

**D. forceps** Alex. Knowlton, June 29, 29 (Walley):

**D. rogersiana** Alex. (known hitherto only from Michigan): Gaspe, north shore, July 1-5, 28; Matapedia Valley, June 18, 29 (Crampton): Notre Dame du Lac, June 17, 29; Causapscal, June 18, 29; Grand Etang, June 27, 31, Perce, June 29-30, 31; Flatland, July 2, 31 (Alexander):

**D. rubescens** Alex. Escuminac East, June 21, 29; Laurentian National Forest, June 24, 31 (Alexander):

**D. tenuipes** O. S. Bradore Bay, July 24, 29 (Brown):

Subgenus **Plectromyia** Osten Sacken

**D. confusa** Alex. Gaspe, south shore,June 26—July 1, 28; Matapedia, June 18, 29 (Crampton): Notre Dame du Lac, June 17, 29; Causapscal, June 18, 29; Flatland, June 21, 29; Escuminac East, June 21, 29; Laurentian National Forest, June 24, 31; Cap Morne, June 27, 31 (Alexander):

Subgenus **Amalopina** Brunetti

**D. flaveola** O. S. Wakefield, June 14, 26 (Ide): Gaspe, south shore, June 26—July 1, 28; Causapscal, June 18, 29; Escuminac East, June 21, 29 (Crampton): Thetford Mines, June 22, 31; Laurentian National Forest, June 24, 31, Metis-sur-mer, June 26, 31; Grand Etang, June 27, 31 (Alexander):

**U1a** Haliday

**U. elegans** O. S. — Matapedia Valley, June 18, 29 (Crampton): Flatland, June 21, 29; Thetford Mines, June 22, 31; Laurentian National Forest, June 24, 31 (Alexander):

**U. paupera** O. S. — Gaspe, north shore, July 1-5, 28; Matapedia Valley, June 18, 29 (Crampton): Notre Dame du Lac, June 17, 29; Escuminac East, June 21, 29; Laurentian National Forest, June 24, 31; Cap Morne, June 27, 31; Grand Etang, June 27, 31; Perce, June 29-30, 31 (Alexander):

Tribe HEXATOMINI

**Adelphomyia** Bergroth

**A. minuta** Alex. — Escuminac East, June 21, 29; Laurentian National Forest, June 24, 31; Ruisseau Castor, June 27, 31; Anse Pleureuse, June 27, 31; Cap Morne, June 27, 31; Grand Etang, June 27, 31 (Alexander):

**Epiphragma** Osten Sacken

**E. fascipennis** Say — Montreal, June (Beaulieu): Wakefield, July 14, 26 (Ide): Gaspe, Both shores, June 26—July 5, 28; Matapédia Valley, June 18, 29; Escuminac East, June 21, 29 (Crampton): Penny's Brook, June 25, 29; Missisquoi River, S. Bolton, July 5, 29 (Walley): Riviere du Loup, June 17, 29; Petit Lac Magog, June 21, 31; Black Lake, June 22, 31; Laurentian National Forest, June 24, 31; Metis-sur-mer, June 26, 31; Anse Pleureuse, June 27, 31; Grand Etang, June 27, 31; Perce, June 29-30, 31; New Richmond, July 1, 31 (Alexander):

**Dactylolabis** Osten Sacken

**D. montana** O. S. — Prov. of Quebec (Osten Sacken): Wakefield, June 14, 26 (Ide): Matapedia, June 18, 29; Montmorency Falls, June 24, 31; Ruisseau Castor, June 27, 31; New Richmond, July 1, 31 (Alexander):

**Pseudolimnophila** Alexander

**P. contempta** O. S. — Ottawa Golf Club, Aug. 13, 24 (Ide): Coaticook, Sept. (Beaulne): Knowlton, July 9, 29 (Walley): Magog, June 21, 31; Petit Lac Magog, June 21, 31; Laurentian National Forest, June 24, 31 (Alexander):

**P. inornata** O. S. — Bolton Pass Creek, June 26, 29 (Walley): New Richmond, June 19, 29; Petit Lac Magog, June 21, 31; Thetford Mines, June 22, 31; Grand Etang, June 27, 31; St. Jean l'Evangeliste, July 2, 31 (Alexander):

**P. luteipennis** O. S. — Shawbridge, Aug. 14, 29 (Winn): Petit Lac Magog, June 21, 31; Laurentian National Forest, June 24, 31 (Alexander):

**P. noveboracensis** Alex. — Knowlton, July 26, 29 (Milne): Magog, June 21, 31; Petit Lac Magog, June 21, 31 (Alexander):

**P. toxoneura** O. S. — Megantic, July 6, 16: Flatland, June 22, 29 (Alexander):

**Limnophila** Macquart

**L. brevifurca** O. S. — Prov. of Quebec (Osten Sacken): Broadview, May 27, 25 (Ide): Matapedia, June 18-22, 29; Perce, June 29-30, 31 (Alexander): Escuminac East, June 21, 29 (Crampton):

**L. poetica** O. S. — Aylmer, May 29, 24 (Curran):

**L. subcostata** Alex. — Escuminac East, June 21, 29 (Alexander):

**L. unica** O. S. — Gaspe, north shore, July 1-5, 28; Mt. Ste Anne, Perce, June 20, 29 (Crampton): Ste Anne des Monts, June 26, 31; Anse Pleureues, June 27, 31; Flatland, June 21, 29 (Alexander):

Subgenus **Prolimnophila** Alexander

**L. areolata** O. S. — Megantic, July 6-7, 16: Gaspe north shore, July 1-5, 28 (Crampton): Petit Lac Magog, June 21, 31; Thetford Mines, June 22, 31; Laurentian National Forest, June 24, 31; Anse Pleureuse, June 27, 31; Escuminac, July 2, 31 (Alexander):

Subgenus **Prionolabis** Osten Sacken

**L. magdalena** Dietz — Amherst Is. July 15, 17 (A. G. Huntsman):
(The identity of this species still remains in doubt. Its nearest ally seems to be **L. (P) simplex** Alex. (Alexander):

**L. munda** O. S. — Montreal, June (Chagnon): Gaspe, north shore, July 1-5, 28 (Crampton): Natashquan, Aug. 9, 29 (Brown): Laurentian National Forest June 24, 31; Matapedia, Valley, July 3, 31 (Alexander):

**L. rufibasis** O. S. — Montreal; St. Johns Co., June (Chagnon): Rigaud, June (Beaulieu): Hemmingford, May 24, 25 (Hammond): Gaspe, south shore, June 26—July 1, 28 (Crampton): Matapedia Valley, June 18, 29; Escuminac East, June 21, 29; Thetford Mines, June 22, 31; Laurentian National Forest, June 24, 31; Ruisseau Castor, June 27, 31; Anse Pleureuse, June 27, 31; Cap Morne, June 27, 31; Grand Etang, June 27, 31; Perce, June 29-30, 31; New Richmond, July 1, 31 (Alexander):

Subgenus **Lasiomastix** Osten Sacken

**L. macrocera** Say — Montreal, June (Beaulieu): Shawbridge, Aug. 17, 29 (Winn): Knowlton, July 4-30, 29 (Milne & Walley) Thetford Mines, June 23, 31; Laurentian National Forest, June 24, 31; Metis-sur-mer, June 26, 31; Andreville, June 25, 31 (Alexander):

**L. tenuicornis** O. S. — Ottawa Golf Club, June 4, 26 (Ide): Aylmer, June 3, 24 (Curran):

Subgenus **Phylidorea** Bigot

**L. adusta** O. S. — Prov. of Quebec (Osten Sacken): Montreal, Sept. (Beaulne): Knowlton, July 10, 29 (Walley): Tabatiere, July 11, 29 (Brown): Escuminac East, June 21, 29 (Crampton): Thetford Mines, June 22, 31 (Alexander):

**L. auripennis** Alex. — Petit Lac Magog, June 21, 31 (Alexander):

**L. consimilis** Dietz — Knowlton, July 25, 29 (Milne):

**L. luteola** Alex. — Knowlton, July 24-25, 29 (Milne):

**L. novae-angliae** Alex. — Natashquan, Aug. 1, 29 (Brown):

**L. platyphallus** Alex. — Mont Joli, June 17, 29; Perce, June 29-30, 31 (Alexander):

**L. similis** Alex. — Gaspe, south shore, June 26—July 1, 28 (Crampton):

**L. subcostata** Alex. — Anse Pleureuse, June 27, 31 (Alexander):

**L. terrae-novae** Alex. — Gaspe, north shore, July 1-5, 28 (Crampton):

Subgenus **Elaeophila** Rondani

**L. johnsoni** Alex. — Laurentian National Forest, June 24, 31; Perce, June 29-30, 31; Escuminac, July 2, 31; Flatland, July 2, 31 (Alexander):

**L. sabrina** Alex. — Knowlton, June 21, 29 (Walley): Flatland, June 22, 29; Laurentian National Forest, June 24, 31; Anse Pleureuse, June 27, 31; Perce, June 29-30, 31 (Alexander):

**L. solstitialis** Alex. — Knowlton, July 11, 29 (Milne):

Subgenus **Dicranophragma** Osten Sacken

**L. angustula** Alex. — Knowlton, July 9, 29 (Walley):

**L. fuscovaria** O. S. — Montreal, June (Beaulieu): Rigaud, June (Chagnon): Ottawa Golf Club, Aug. 25, 24 (Ide): Covey Hill, June 18, 24 (Walley): Shawbridge, July 3, 29 (Winn) Escuminac East, June 21, 29; Magog, June 21, 31; East Angus, June 22, 31; Thetford Mines, June 22, 31; Laurentian National Forest, June 24, 31; New Richmond, July 1, 31 (Alexander):

**Shannonnomyia** Alexander

**S. lenta** O. S. — Aylmer, June 15, 24 (Curran): Petit Lac Magog, June 21, 31; Matapedia, June 18, 29; Flatland, June 22, 29; Montmorency Falls, June 24, 31; Grande Etang, June 27, 31; Perce, June 29-30, 31; Escuminac, July 2, 31 (Alexander):

**Pilaria** Sintenis

**P. imbecilla** O. S. — Aylmer, June—July (Beaulne):

**P. quadrata** O. S. — Montreal, June (Winn): St. Johns Co., May—June (Chagnon): Gatineau, July (Beaulieu): Hull, June (Beaulne) Gaspe, South Shore, June 26—July 1, 28 (Crampton): Ste Angele-de-Merici, June 18, 29; Escuminac East, June 21, 29; Laurentian National Forest, June 24, 31; Grand Etang, June 27, 31 (Alexander):

**P. recondita** O. S. — Knowlton Creek, June 23, 29 (Walley): Petit Lac Magog, June 21, 31; East Angus, June 22, 31; Laurentian National Forest ,June 24, 31; Chandler, July 1, 31 (Alexander):

**P. tenuipes,** Say — Montreal, Aug. (Chagnon): Knowlton, June 23, 29 (Walley), July 25, 29 (Milne): Petit Lac Magog, June 21, 31; Thetford Mines, June 22, 21 (Alexander):

**Ulomorpha** Osten Sacken

**U. pilosella** O. S. — Laurentian National Forest, June 24, 31; Escuminac, July 2, 31 (Alexander):

**Hexatoma** Latreille

Subgenus **Hexatoma** Latreille

**H. megacera** O. S. — Covey Hill, June 20, 24 (Valley):

Subgenus **Eriocera** Macquart

**H. brachycera** O. S. — Knowlton, July 12-31, 29 (McDunnough, Milne & Walley): Laurentian National Forest, June 24, 31 (Alexander):

**H. cinerea** Alex. — Knowlton, July 8, 29 (Milne):

**H. gaspensis** Alex. — River Pabos, June 24, 29; Matapedia Valley, June 18, 29 (Alexander):

**H. longicornis** Walk. — Flatland, June 21 22, 29 (Alexander & Crampton): Matapedia, June 22, 29 (Alexander):

**H. spinosa** O. S. — Wakefield, July 27, 26 (Ide): Covey Hill, July 21 (Petch): Knowlton, July 18—Aug. 3, 29 (Milne & McDunnough):

Subgenus **Penthoptera** Schiner

**H. albitarsis** O. S. — Knowlton, July 4-12, 29 (Walley):

**Elephantomyia** Osten Sacken

**E. westwoodi** O. S. — Prov. of Quebec (Osten Sacken): Megantic, July 6, 16: Foster, July 31, 29; Knowlton, July 12, 29; West Bolton, June 26, 29 (Walley): Magog, June 21, 31; Thetford Mines, June 22, 31; Laurentian National Forest, June 24, 31; Escuminac, July 2, 31 (Alexander):

Tribe ERIOPTERINI

**Chionea** Dalman

**C. valga** Harris — Compton, Coaticook River, March 1, 1839 (P. H. Gosse) (see Gosse, The Canadian Naturalist, 1830, p. 1-360):

**Cladura** Osten Sacken

**C. flavoferruginea** O. S. — (**indivisa** form): Shawbridge, Aug. 17-20, 29 (Winn), Sept. 12, 29 (E. McCarvell):

**Neolimnophila** Alexander

**N. ultima** O. S. — Prov. of Quebec (Osten Sacken): Laurentian National Forest, June 24, 31 (Alexander):

**Gonomyia** Meigen

Subgenus **Lipophleps** Bergroth

**G. sulphurella** O. S. — Ottawa Golf Club, Aug. 14, 24 (Ide): Magog, June 21, 31; Thetford Mines, June 22, 31; Laurentian National Forest, June 24, 31; Matapedia, July 3, 31 (Alexander):

Subgenus **Gonomyia** Meigen

**G. florens** Alex. — Magog, June 21, 31 (Alexander):

**G. noveboracensis** Alex. — Gaspe, south shore, June 26—July 1, 28 (Crampton): Pabos River, June 19, 29; Chandler, July 1, 31 (Alexander):

**G. subcinerea** O. S. — Gatineau, July (Beaulieu): Aylmer, June (Beaulne): Knowlton, June 20, 29 (Walley): Notre Dame du Lac, June 17, 29; New Richmond, June 19, 29; Escuminac East, June 21, 29; St. Charles-de-Caplan, June 19, 29; Perce, June 29-30, 31 (Alexander):

Subgenus **Ptilostena** Bergroth

**G. blanda** O. S. — Montmorency Falls, June 24, 31 (Alexander):

**G. mathesoni** Alex. — Magog, June 21, 31; Chandler, July 1, 31; Matapedia, July 3, 31 (Alexander):

**Gnophomyia** Osten Sacken

**G. tristissima** O. S. — Montreal, June (Chagnon): Rigaud, June (Beaulieu): Wakefield, July 27, 26 (Ide): Kirks Ferry, Aug. 5, 25; Knowlton, July 12, 29 (Walley):

**Rhabdomastix** Skuse

Subgenus **Sacandaga** Alexander

**R. flava** Alex. — Matapedia, July 3, 31 (Alexander):

**Helobia** St. Fargeau et Serville

**H. hybrida** Mg. — Montreal, June (Chagnon): Hull, July (Beaulne): Broadview, May 5, 25 (Walley): Knowlton, July 18, 29 (Milne): Riviere du Loup, June 17, 29; Mt. Ste Anne, June 20, 29 (Crampton): Notre Dame du Lac, June 17, 29; Mont Joli, June 17, 29; Ste Angele-de-Merici, June 18, 29; New Richmond, June 19, 29; Perce, June 20, 29; Andreville, June 25, 31; Montmorency Falls, June 24, 31 (Alexander):

**Erioptera** Meigen

Subgenus **Erioptera** Meigen

**E. chlorophylla** O. S. — Prov. of Quebec (Osten Sacken): Knowlton, July 25, 29 (Milne):

**E. chlorophylloides** Alex. — Petit Lac Magog, June 21, 31; Matapedia, July 3, 31 (Alexander):

**E. chrysocoma** O. S. — Prov. of Quebec (Osten Sacken): Knowlton, June 28-29, 29 (Milne & Walley): Magog, June 21, 31; Petit Lac Magog, June 21, 31; Laurentian National Forest, June 24, 31; East Angus, June 22, 31 (Alexander):

**E. gaspeana** Alex. — Gaspe, south shore, June 26—July 1, 28 (Crampton):

**E. megophthalma** Alex. — Escuminac, July 2, 31 (Alexander):

**E. septemtrionis** O. S. Montreal, July (Beaulieu): Ottawa Golf Club, Aug. 14, 24 (Ide): Aylmer, June (Beaulne): Hull, June 15, 23; Megantic, June 18, 23 (Curran): Shawbridge, Aug. 1, 29 (Winn): Knowlton, July 25, 27 (Milne): June 20—July 4, 29 (Walley): Perce, June 20, 29 (Crampton): Notre Dame du Lac, June 17, 29; Mont Joli, June 17, 29; Grand Etang, June 27, 31; Laurentian National Forest, June 24, 31 (Alexander):

**E. straminea** O. S. Knowlton, June 25—July 29, 29 (Milne):

**E. vespertina** O. S. Montreal, July (Beaulieu): Ottawa Golf Club, Aug. 14, 24; Knowlton, June 20-29, 29 (Walley): Magog, June 21, 31; Thetford Mines, June 22, 31; Laurentian National Forest, June 24, 31; Montmorency Falls, June 24, 31; Perce, June 29-30, 31; New Richmond, July 1, 31 (Alexander):

**E. villosa** O. S. Petit Lac Magog, June 21, 31 (Alexander):

**E. viridula** Alex. East Angus, June 22, 31 (Alexander):

Subgenus **Psiloconopa** Zetterstedt

**E. cramptonella** Alex. River Pabos, June 20, 29 (Alexander):

**E. gaspicola** Alex. Gaspe, south shore, June 26—July 1, 28 (Crampton): (type locality):

Subgenus **Mesocyphona** Osten Sacken

**E. caloptera** Say Montreal, June (Chagnon): Knowlton, July 24-25, 29 (Milne): Sweetsburg, July 10, 29 (Walley): Petit Lac Magog, June 21, 31; Thetford Mines, June 22, 31; Perce, June 29-30, 31 (Alexander):

**E. needhami** Alex. Aylmer, June 15, 24 (Curran): Knowlton, July 16-25, 29 (Milne): Magog, June 21, 31; East Angus, June 22, 31; New Richmond, July 1, 31 (Alexander):

Subgenus **Ilisia** Rondani

**E. armillaris** O. S. Prov. of Quebec, (Osten Sacken): Knowlton, July 12, 29; Missisquoi River, Bolton, July 13, 29 (Walley): Magog, June 21, 31 (Alexander):

**E. venusta** O. S. Coaticook, Sept. (Beaulne): Knowlton, July 1, 29 (Milne):

Subgenus **Hoplolabis** Osten Sacken

**E. armata** O. S. Prov. of Quebec (Osten Sacken): Hull, June 5, 26; Aylmer, June 3, 24 (Curran): Wakefield, Aug. 21, 25 (Ide): Gaspe, south shore, June 26—July 1, 28; Causapscal, June 18, 29 (Crampton): Ste Angele-de-Merici, June 18, 29; Matapedia Valley, June 18, 29; New Richmond June 19, 29; St. Charles de Caplan, June 19, 29; Petit Lac Magog, June 21, 31; Perce, June 29-30, 31 (Alexander):

Subgenus **Empeda** Osten Sacken

**E. stigmatica** O. S. Lake Matapedia, June 18, 29 (Crampton): Notre-Dame du Lac, June 17, 29; Ste Angele-de-Merici, June 18, 29; Causapscal, June 18, 29; New Richmond, June 19, 29; Flatland, June 22, 29; Thetford Mines, June 22, 31; East Angus, June 22, 31; Montmorency Falls, June 24, 31; Metis-sur-mer, June 26, 31; Anse Pleureuse, June 27, 31; Grand Etang, June 27, 31 (Alexander):

Subgenus **Gonempeda** Alexander

**E. nyctops** Alex. Megantic, June 18-20, 23 (Curran):

**Cryptolabis** Osten Sacken

**C. paradoxa** O. S. Wakefield, July 14, 26; Missisquoi River, S. Bolton, July 5-13, 29 (Walley):

### **Ormosia** Rondani

**O. arcuata** Doane — Aylmer, May 11, 29 (Walley): Notre Dame du Lac, June 17, 29; New Richmond, June 19, 29 (Alexander):

**O. bilineata** Dietz — Flatland, June 22, 29 (Crampton): St. Honore, June 17, 29; Causapscal, June 18, 29; Matapedia Valley, June 18, 29; Perce, June 20, 29; Ruisseau Castor, June 27, 31; Cap Morne, June 27, 31 (Alexander): (caught in leaves of **Pinguicula** (Alex):

**O. cramptoniana** Alex. — Gaspe, north shore, July 1-5, 28 (Crampton): Perce, June 29-30, 31 (Alexander):

**O. dentifera** Alex. — Ruisseau Castor, June 27, 31 (Alexander):

**O. deviata** Dietz — Gaspe, south shore, June 26—July 1, 28 (Crampton): Aylmer, Sept. 14, 24 (Curran): Notre Dame du Lac, June 17, 29; Ste Angele-de-Merici, June 18, 29; New Richmond, June 19, 29; Magog, June 21, 31; Petit Lac Magog, June 21, 31; Thetford Mines, June 22, 31; Perce, June 29-30, 31 (Alexander):

**O. gaspensis** Alex. — Gaspe, north shore, July 1-5, 28; Flatland, June 21, 29 (Crampton): Notre Dame du Lac, June 17, 29; Causapscal, June 18, 29; St. Charles-de-Caplan, June 19, 29; Perce, June 20, 29 (Alexander):

**O. megacera** Alex. — Flatland, June 21, 29 (Alexander):

**O. meigenii** O. S. — Gaspe, south shore, June 26—July 1, 28; Escuminac East, June 21, 29 (Crampton): Matapedia, June 18, 29; St. Charles-de-Caplan, June 19, 29; Flatland, June 21-22, 29; Laurentian National Forest, June 24, 31: Anse Pleureuse, June 27, 31; Perce, June 29-30, 31 (Alexander)

**O. mesocera** Alex. — Thetford Mines, June 22, 31; Laurentian National Forest, June 24, 31 (Alexander):

**O. monticola** O. S. — Rouville Co. (Chagnon): Fairy Lake, Aug. 18, 29 (Milne):

**O. notmani** Alex. — Gaspe, north shore, July 1-5, 28; Matapedia Valley, June 18, 29 (Crampton): New Richmond, June 19, 29 (Alexander):

**O. pygmaea** Alex. — Gaspe, north shore, July 1-5, 28; Escuminac East, June 21, 29 (Crampton): Notre Dame du Lac, June 17, 29; New Richmond, June 19, 29; Thetford Mines, June 22, 31 (Alexander): probably equals all Quebec records for **nigripila** O. S. (Alex.)

### **Molophilus** Curtis

**M. forcipulus** O. S. — Knowlton, June 20-23, 29 (Walley): Petit Lac Magog, June 21, 31; Thetford Mines, June 22, 31; Laurentian National Forest, June 24, 31 (Alexander):

**M. fultonensis** Alex. — Shawbridge, July 4, 29 (Winn): Knowlton, June 29—July 25, 29 (Milne & Walley): Laurentian National Forest, June 24, 31; Grand Etang, June 27, 31; Escuminac, July 2, 31 (Alexander

**M. hirtipennis** O. S. — Anse-au-Gascon, June 21, 29 (Alexander):

**M. pollex** Alex. — Notre Dame du Lac, June 17, 29 (Alexander):

**M. pubipennis** O. S. — Knowlton, July 23, 29 (Milne): Escuminac, July 2, 31; Chandler, July 1, 31 (Alexander):

**M. quadrispinosus** Alex. — Notre Dame du Lac, June 17, 29; Flatland, June 22, 29; Perce, June 29-30, 31 (Alexander):

### **Toxorhina** Loew

**T. muliebris** O. S. — Knowlton, June 24, 29 (Milne):

## CULICIDAE

### **Wyeomyia**, Theobald

**W. smithii**, Coq. "The Pitcher Plant Mosquito".—Hemmingford, 1930 (Hammond):

### **Culex**, Linnaeus

**C. pipiens**, Linn. "The House Mosquito".—Quebec, 1907,? (Fyles): Aylmer, Sept. 28, 1924 (Curran): Notre Dame de Grace, larvae, pupae and adults, Aug. 5, 1925 (Ryan):

**C. territans**, Walk. Rigaud, Aug. 21, 1906, Dec.—in cellar—(Beaulieu): Norway Bay, larvae, July 25, 1925; all stages, Aug. 15, 1925 (Twinn):

**C. testaceus** Wulp (**apicalis** Adams) Norway Bay, larvae, Aug. 16, 1925. (Twinn):

**Theobaldia** Neveu-Lemaire

**T. morsitans** Theo. This species has been taken at Gatineau Point, Hemmingford and Montreal. The larvae occur in May.

**Taeniorhynchus** Arribalzaga

(**Mansonia** Blanchard)

**T. perturbans** Walk. Notre Dame de Grace, June 21, 1925 (Ryan): Norway Bay, July 25, 1925 (Twinn):

**Aedes** Meigen

**A. canadensis** Theo. Rigaud, July 16, 1906 (Beaulieu): Ironsides, May 25, 1908; Chelsea, July 2, 1912 (Gibson): East Bolton, July 23, 1911 (Winn): Kippewa larvae, May 25, 1925 (Dunn): Aylmer, June 18, 1925 (Petch): Kirks Ferry, June 25, 1925 (Twinn): Norway Bay, July 25, 1925 (Viereck): Franklin Centre, Aug. 8, 1925 (Hutchings):

**A. cinereoborealis**, Felt & Young (**trichurus** Dyar) Chelsea, May 17, 1902, (Gibson): Rigaud, June 29, 1904 (Beaulieu): Aylmer, May 24, 1919 (Hutchings): Kippewa, June 1924 (Dunn): Hemmingford, May 26, 1925 (Hammond): Kirks Ferry, June 28, 1925 (Viereck):

**A. cinereus** Meig. Gatineau Point, larvae, May 5, 1924; adults, May 26, June 6, (Twinn) Notre Dame de Grace, June 21, 1925, (Ryan): Aylmer, June 24, 1925 (Yauch): Kirks Ferry, July 1, 1925 (Twinn):

**A. dorsalis** Meig. Notre Dame de Grace, June 6, 1925 (Twinn):

**A. excrucians** Walk. Widely distributed in Quebec, usually found associated with larvae of **stimulans** and **fitchii**, but less abundant than those two species.

**A. fitchii** Felt & Young, Aylmer, May 27, 1919 (McDunnough): Doubtful records (females only, possibly **stimulans**) follow: Hemmingford, June 25, 1916 (Petch): Aylmer, June 14, 1925 (Viereck): Montreal, June 23, 1925 (Ryan): Maniwaki, June 25, 1925 (Curran):

**A. hirsuteron** Theo. Kingsmere, June 23, 1912 (Hewitt): Aylmer, June 13, 1919 (Hutchings): Gatineau Point, May—June, 1924; Kirks Ferry, July 1, 1925 (Twinn):

**A. impiger** Walk. Chelsea, June 5, 1919 (Gibson):

**A. intrudens** Dyar. Chats Rapids, May 24, 1900 (Fletcher): Ironside, May 23, 1908 (Gibson): Aylmer, May 23, 1919 (Hutchings): Hemmingford, May 19, 1925 (Hammond):

**A. lazarensis** Felt & Young (**communis** DeG.) Ironside, May 23, 1908 (Gibson): Chelsea, May 30, 1908 (Letourneau): Aylmer, June 6, 1919 (Hutchings):

**A. punctor** Ky. Chelsea, May 30, 1908 (Gibson): Aylmer, May 25, 1925 (Curran):

**A. stimulans** Walk. Rigaud, Aug. 16, 1906 (Beaulieu): Aylmer, May 27, 1919 (McDunnough): Gatineau, Point, larvae, May 5, 1924, adults, May 24—June 4, 1924; Nuns Island, June 3, 1925; Norway Bay, July 25, 1925 (Twinn):

**A. triseriatus**, Say Kingsmere, June 23, 1912 (Hewitt): Aylmer, Sept. 16, 1925 (Yauch):

**A. vexans** Meig. St. Hilaire, July; Montreal, June (Beaulieu): Gatineau Point, larvae May 5, 1926, adults, May 30—June11, 1924 (Twinn): Hemmingford, July 15, 1925 (Baker): Rougemont, Aug. 12, 1925 (Hammond):

**Anopheles** Meigen

**A. maculipennis** Meig. Gatineau Point, Apr. 23, 1925: Norway Bay, Aug. 11, 1925 (Twinn).

**A. punctipennis** Say Montreal Nov. (Winn): Hemmingford, 1922, (Petch): Norway Bay, July 25, 1925 (Twinn):

**A. walkeri** Theo. This species occurs in large numbers in **Typhygrown** (Cat-tail Flag) swamps in the Hemmingford district associated with the above species. It was first recorded in the province in 1926.

**Corethra** Meigen

**C. cinctipes** Coq. Gatineau Point, larvae, May 5, 1925, adults June 4, 1924 (Twinn).
**C. culiciformis** DeG. Gatineau Point, larvae, May 5, 1926, adults, June 8, 1924 (Twinn): Aylmer, 10 males, June 4, 1924, (Curran):

**Chaoborus** Litchtenstein

**C. punctipennis** Say East Bolton, July (Winn): Kingsmere, July 18, 1929, (Chrystal): Aylmer, July 25, 1924 (Curran):

**PSYCHODIDAE**

**Pericoma** Walker

**P. albitarsis** Banks Covey Hill, June (Walley): Maniwaki, June; Hull, June (Curran):
**P. megantica** Curr. Megantic, June (Curran):
**P. scotiæ** Curr. Hull, June—July (Curran):

**Psychoda** Latreille

**P. alternata** Say Hull, July (Curran):
**P. augusta** Curr. Aylmer, Aug. (Curran):
**P. slossoni** Will. St. Laurent, July (Maltais):
**P. varitarsis** Curr. Hemmingford, June; Megantic June (Curran):

**CHIRONOMIDAE**

**Ceratopogon** Meigen

**C. websteri** Coq. Montreal, May (Beaulieu):

**Forcipomyia** Meigen

**F. cilipes** Coq. Hemmingford, Oct. (Maltais):

**Palpomyia** Meigen

**P. subasper** Coq. St. Louis, Aug. (Ouellet):

**Johannsenomyia** Malloch

**J. albaria** Coq. St. Louis, Aug. (Ouellet):
**J. argentata** Lw. Aylmer, Aug. (Curran):

**Stilobezzia** Kieffer
(**Hartomyia** Malloch)

**S. nebulosa,** Coq. Sherbrooke, June (Begin):

**Tanypus** Meigen

**T. apicalis** Walley Aylmer, July (Curran):
**T. basalis** Walley Aylmer, Aug. (Curran):
**T. bifasciatus** Coq. Ottawa Dist., June (Germain):
**T. carneus** Fab. Coteau du Lac, June; Chateauguay, June (Ide):
**T. cornuticaudatus** Walley Hull, July (Walley): Aylmer, July (Curran)
**T. currani** Walley Aylmer, Aug. (Curran)
**T. hirtipennis** Lw. Quebec (Fyles)
**T. johnsoni** Coq. Montreal, May (Beaulieu).
**T. mallochi** Walley Kirks Ferry, Aug. (Walley): Aylmer, July—Oct. (Curran).
**T. melanops** Meig. Aylmer, Aug. (Curran): Rigaud, July (Beaulieu).
**T. monilis** Linn. Montreal, Aug. (Beaulieu): Aylmer, July—Aug. (Curran): Coteau du Lac, June (Ide): Ottawa Dist., June (Germain).

**T. nigropunctus** Staeg. — Montreal, July (Beaulieu).
**T. pilicaudatus** Walley — Coteau du Lac, June (Ide): Lachine, June (Petch): Hull, June (Cramp).
**T. pilosellus** Lw. — Sherbrooke, June (Begin)
**T. prudens** Walley — Aylmer, July—Aug. (Curran)

**Protenthes** Johannsen

**P. culiciformis** Linn. — St. Hilaire, June ; Montreal, May; Rigaud, June (Beaulieu): Hull, July (Beaulne).

**Procladius** Skuse

**P. scapularis** Lw. — Aylmer, Aug. (Curran)

**Diamesa** Meigen

**D. waltlii** Meig. — Montreal, June (Beaulieu)

**Cardiocladius** Kieffer
(**Thalassomyia**)

**C. obscura** Johann. — Wakefield, July (Walley)
**C. platypus** Coq. — Montreal (Ouellet)

**Chironomus** Meigen

**C. aberrans** Johann. — Montreal, May; Rigaud, July (Beaulieu)
**C. albistria** Walk. — Sherbrooke, June (Begin)
**C. attenuatus** Walk. — Sherbrooke, Sept. (Begin)
**C. brunneus** Walk. — Sherbrooke, Oct. (Begin)
**C. chloris** Meig. — Sherbrooke, Sept. (Begin)
**C. cristatus** Fab. — Levis, (Fyles): Montreal, June (Beaulieu): Sherbrooke, May (Begin).
**C. decorus** Johann. — Montreal, May; Rigaud, July (Beaulieu).
**C. devinctus** Say — Montreal, May (Beaulieu): Coteau du Lac, June—July; Laprairie, July; Lachine, June (Ide): Aylmer, July (Curran): Sherbrooke, June (Begin)
**C. dispar** Meig. — Montreal, Sept. (Beaulieu): Sherbrooke, June, (Begin).
**C. dorsalis** Meig. — Montreal, Rigaud, June (Beaulieu).
**C. fascipennis** Zett. — Montreal (Chagnon)
**C. festivus** Say — Lachine, July; Coteau du Lac, June (Ide): Montreal, Aug. (Beaulieu): Lauzon, June (Ouellet)
**C. flavicingula** Walk. — Hull, May (Curran)
**C. flavus** Johann — Montreal, Aug. (Beaulieu)
**C. lineatus** Say — Montreal, June (Beaulieu)
**C. modestus** Say — Montreal, June; Rigaud, July (Beaulieu)
**C. nigricans** Johann. — Montreal, June (Beaulieu)
**C. niveipennis,** Fab. — Sherbrooke, June (Begin)
**C. ontario** Walley — Aylmer, Aug. (Curran): Hull, Aug. (Walley)
**C. pedellus** DeG. — Montreal (Chagnon)
**C. plumosus** Linn. — Sherbrooke, June (Begin)
**C. prasinus** Meig. — Sherbrooke, June (Begin)
**C. riparius** Meig. — Montreal, June (Beaulieu)
C. **scalaenus** Schant. — St. Hilaire, June ; Montreal, May (Beaulieu)
**C. similis** Johann. — St. Hilaire, June (Beaulieu)
**C. taeniapennis** Coq. — Quebec, June (Fyles): Montreal, May; Rigaud, Aug. (Beaulieu): Hull, June—July (Curran).
**C. tentans** Fab. — Montreal, Aug. (Beaulieu)
**C. viridis** Macq. — Sherbrooke, June (Begin).

**Tanytarsus** Van der Wulp

**T. flavellus** Zett. — Montreal, June; Rigaud, Aug. (Beaulieu).
**T. obediens** Johann — Rigaud, St. Hilare, June (Beaulieu)

**Metriocnemus** Van der Wulp

**M. par** Johann. — Wakefield, June ; Broadview, May (Ide)

**Chasmatonotus** Loew

**C. unimaculatus** Lw. — Lauzon, June (Ouellet)

**Cricotopus** Van der Wulp

**C. bicinctus** Meig. — Montreal, July (Beaulieu)
**C. tremulus** Linn. — Montreal, Sept. (Ouellet)
**C. tricinctus** Meig. — Montreal, June (Beaulieu)
**C. trifasciatus** Panz. — Hull, July (Beaulne)
**C. varipes** Coq. — Montreal, June (Beaulieu): Hull, June (Curran)

**Camptocladius** Van der Wulp

**C. byssinus** Schrank — Ottawa Dist., May (Germain)

**Orthocladius** Van der Wulp

**O. nivoriundus** Fitch — Montreal, May (Ouellet): Ottawa Dist., May (Germain)
**O. obrumbratus** Johann. — Montreal, May (Beaulieu)
**O. oceanicus** Pack. — Sherbrooke, Oct. (Begin)
**O. sordidellus** Zett. — Sherbrooke, June (Begin)

**CECIDOMYIIDAE**

**Dasyneura** Rondani

**D. gibsoni** Felt. — Ottawa Dist. (Gibson)

**Asteromyia** Felt

**A. carbonifera** Felt — Quebec, Aug. (Fyles)

**Phytophaga** Rondani

**P. destructor** Say — "The Hessian Fly." Found in the Province of Quebec where wheat was more generally grown (Maheux & Beaulieu).

**Asphondylia** Loew

**A. helianthifloræ** Felt — Montreal, Oct. (Winn)

**Lestodiplosis** Kieffer

**L. grassator** Fyles — Como (Fyles)

**Cecidomyia** Meigen

**C. siliqua** Walk. — Levis (Fyles)
**C. strobiloides** O. S. — Montreal (Winn): Baskatong, July (Gibson)

**MYCETOPHILIDÆ**

**Bolitophila** Meigen

**B. hybrida** Meig. — St. Johns Co., Sept. (Chagnon)
**B. fusca** Meig. — Sherbrooke, Oct. (Begin)

**Asindulum** Winnertz

**A. coxale** Lw. — Montreal (Johannsen)
**A. montanum** Roeder — Ft. Coulonge, July (Beaulne): Brome Co., Aug. (Winn)

**Ceroplatus** Bosc

| | |
|---|---|
| **C. militaris** Johann. | Meach Lake, Aug. (J. F.) |

**Platyura** Meigen

| | |
|---|---|
| **P. elegans** Coq. | Joliette, July (Ouellet) |
| **P. fascipennis** Say | Montreal, July (Beaulieu) |
| **P. melasoma** Lw. | Laval Co., Aug. (Beaulieu) |

**Sciophila** Meigen

| | |
|---|---|
| **S. fasciata** Say | Montreal, July (Beaulieu) |
| **S. littoralis** Say | Sherbrooke, 1897 (Begin) |
| **S. obliqua** Say | Montreal, June (Beaulieu) |
| **S. similis** Johann. | Rigaud, June (Johannsen) |

**Diomonus** Walker

| | |
|---|---|
| **D. nebulosus** Walk. | Aylmer, July (Curran): Kirks Ferry, Aug. (Ide) |

**Neoempheria** Osten Sacken

| | |
|---|---|
| **N. didyma** Lw. | Montreal, (Chagnon) |
| **N. indulgens** Johann. | Montreal, July (Johannsen) |

**Mycomya** Rondani

| | |
|---|---|
| **M. appendiculata** Lw. | Sherbrooke, Oct. (Begin) |

**Gnoriste** Meigen

| | |
|---|---|
| **G. macroides** Curr. | Aylmer, June (Curran) |

**Acnemia** Winnertz

| | |
|---|---|
| **A. flaveola** Coq. | Montreal, July (Beaulieu) |

**Leia** Meigen

(**Neoglaphyroptera** Osten Sacken)

| | |
|---|---|
| **L. opima** Lw. | Montreal, Aug. (Ouellet): Sherbrooke, Sept. (Begin) |
| **L. winthemi** Lehmann | Sherbrooke, Sept. (Begin) |

**Syntemna** Winnertz

| | |
|---|---|
| **S. fasciata** Johann. | Covey Hill, July (Curran) |

**Exechia** Winnertz

| | |
|---|---|
| **E. absoluta** Johann | Megantic, June (Curran) |
| **E. nugax** Johann | Rouville Co., (Johannsen) |

**Mycetophila** Meigen

| | |
|---|---|
| **M. discoidæ** Say | Rouville Co. (Chagnon) |
| **M. bipunctata** Lw. | Sherbrooke, Nov. (Begin) |
| **M. monochaeta** Lw. | Sherbrooke, Oct. (Begin) |
| **M. punctata** Meig. | Montreal (Chagnon) |
| **M. quatuornotata** Lw. | Megantic, June (Curran) |

**SCIARIDAE**

**Neosciara** Meigen

| | |
|---|---|
| **N. atrata** Say | Sherbrooke, Aug. (Begin) |
| **N. inconstans** Fitch | Sherbrooke, Oct. (Begin) |

## SCATOPSIDÆ

### **Scatopse** Geoffroy

**S. notata** Linn. Hemmingford, Oct. (Maltais)
**S. pygmæa** Lw. Ottawa Dist., May (Ouellet)

### **Reichertella** Enderlein

**R. femoralis** Meig. (**Scatopse pulicaria** Lw.) Sherbrooke, Oct. (Begin)

### **Rhegmoclema** Enderlein

**R. atrata** Say Hemmingford, Sept., (Maltais)

## SIMULIIDÆ

### **Prosimulium** Roubaud

**P. hirtipes** Fries St. Hilaire, May (Beaulieu): Hull, Apr.—May (Curran): Hemmingford, May, (Hammond): Montebello, May (Atkinson):

### **Eusimulium** Roubaud

**E. aureum bracteatum** Coq. Ottawa Dist., May (Germain)
**E. mutatum** Mall. Hull, May—June (Curran): Hemmingford, May—July (Hammond): Pink Lake, June (Twinn):
**E. pecuarum** Riley Ottawa Dist., Apr.—May (Germain): (Doubtful record, largely western, (C.R. Twinn). **S. invenustum** Walk. is possibly a synonym of this species.

### **Simulium** Latreille

**S. meridionale** Riley "The Turkey Gnat" Montreal; St. Louis (Ouellet)
**S. pictipes** Hagen Montreal, July (Beaulieu)
**S. venustum** Say "The Black Fly" (Syn. **molestum** Walk.) Hull, Oct. (Fyles): Island of Orleans, July; Laurentian Mts., June (Winn): Montreal, Sept.; Oka, May; Lauzon, June (Ouellet): Ottawa Dist., May—Aug. (Germain): Hull, May (Curran): Abitibi Region, June—July (Cook): Fairy Lake, May (Ozburn)
**S. vittatum** Zett. Ottawa Dist., May (Germain): Hull, May (Walley)

## BIBIONIDÆ

### **Plecia** Wiedemann

**P. heteroptera** Say Levis (Fyles): Montreal (Caulfield); Oct—Nov. (Ouellet): Aylmer, Sept. (Curran): Sixteen Island Lake, Oct. (Miss I. B. Muir): Shawbridge, June—Oct. (Winn): Sherbrooke, Sept. (Begin).

### **Bibio** Geoffroy

**B. abbreviatus** Lw. St. Hilaire, May (Winn)
**B. albipennis** Say Montreal (Chagnon): June; Bordeaux, June (Ouellet): St. Hilaire, May (Winn): Ottawa Dist., June—July, (Germain): Hemmingford, June (Petch)
**B. basalis** Lw. Meach Lake, July (Gibson): Megantic, June; Hull, June (Curran)
**B. femoratus** Wied. Montreal, Aug. (Beaulieu)
**B. fumipennis** Walk. Sherbrooke, June (Begin)
**B. longipes** Lw. Montreal (Chagnon): Rigaud, July (Ouellet)
**B. lugens** Lw. Ste Agathe, April (Beaulne)
**B. nervosus** Lw. Montreal, May (Ouellet): Aylmer, June (Hutchings)
**B. nigripilus** Lw. St. John's Co., Montreal, May (Chagnon): Chambly Co., Longueuil, St. Hilaire, May (Beaulieu): Ottawa Dist., May—June, (Germain)

**B. pallipes** Say — Quebec (Fyles): Montreal (Chagnon); May (Ouellet): St. Hialire, June (Beaulieu): Sherbrooke, May (Begin): Levis, May (Roy)
**B. slossonæ** Cock. — Montreal (Chagnon): Sherbrooke, Sept. (Begin)
**B. variabilis** Lw. — Hemmingford, June (Maltais)
**B. vestita** Walk. — Sherbrooke, Sept. (Begin)
**B. xanthopus** Wied. — St. Hilaire, May; St. Paul l'Ermite, June (Winn): Levis, (Fyles): Montreal, July; Lavaltrie, May (Ouellet): Ottawa Dist., May—June (Germain): Sherbrooke, June (Begin)

**Dilophus** Meigen

**D. breviceps** Lw. — Lauzon, Aug. (Ouellet)
**D. obesulus** Lw. — Montreal, June; St. Louis, Aug. (Ouellet)
**D. proximus** McA. — Meach Lake, July (Gibson)
**D. serraticollis** Walk. — Montreal (Chagnon): Ottawa Dist., May (Germain)
**D. stigmaterus** Say — Hemmingford, Sept. (Hammond)
**D. tibialis** Lw. — St. Louis, Aug. (Ouellet)

## BLEPHARICERIDÆ

**Blepharicera** Macquart

**B. tenuipes** Walk. — Covey Hill, June—July (Curran & Walley): Hull, June (Miss Cramp) Laprairie, July (Walley): Wakefield, July—Aug. (Walley & Ide)

## THE BRACHYCERA

## XYLOPHAGIDÆ

**Rhachicerus** Walker

**R. nitidus** Johns. — Ottawa Dist., July; Lake McGregor, July (Germain)

**Xylophagus** Meigen

**X. fasciatus** Walk. — (**abdominalis** Lw.) Montreal (Chagnon): Ft. Coulonge, July (Beaulne)
**X. reflectens** Walk. — (**rufipes** Lw.) Montreal, June (Beaulieu): St. Hilaire May (Ouellet)

**Solva** Walker

(**Xylomyia** Rondani)

**S. pallipes** Lw. — Rigaud, June; Joliette, July (Ouellet): Hemmingford, June (Hammond)
**S. tenthredinoides** Wulp. — Hemmingford, June (Hammond)

## STRATIOMYIIDÆ

**Beris** Latreille

**B. annulifera** Bigot — Megantic, June (Curran)
**B. morrisii** Dale? — Quebec (Van der Wulp): An European species of doubtful occurence in America.

**Allognosta** Osten Sacken

**A. fuscitarsis** Say — Montreal; Rigaud (Chagnon): Oka, May (Ouellet): Ottawa Dist., June—July (Germain): St. Placide, July (Chagnon)
**A. similis** Lw. — Sherbrooke, May (Begin)
**A. obscuriventris** Lw. — Montreal, June (Chagnon): Rigaud; St. Hilaire,May (Beaulieu): St. Louis, Aug; Oka, May (Ouellet): Ottawa Dist., May—June (Germain): Sherbrooke, May (Begin)

**Actina** Meigen

(**Hemiberis** Enderlein)
(**Allactina** Curran)

**A. viridis** Say — Anticosti Is. (Schmidt): St. Hilaire; St. Johns; Montreal, June; Rigaud, May; Chambly Co., Sept. (Chagnon): Longueuil, May (Beaulieu): Oka, May (Ouellet): Megantic, June; Hull, June (Curran): Ottawa Dist., May—July (Germain): Sherbrooke, May (Begin)

**Chrysochroma** Williston

**C. nigricornis** Lw. — Ottawa Dist., May (Germain)

**Pedicella** Bigot

(**Geosargus** Bezzi)
(**Macrosargus** Bigot)
(**Sargus** Fabricius)

**P. clavis** Will. — Ottawa Dist., July (Germain)

**P. cuprarius** Linn. — St. Hilaire; Montreal, June; Rouville Co., July; Vaudreuil Co. (Chagnon): Rigaud, July (Beaulieu): Hemmingford, July (Armstrong): Aylmer, Aug.: Hull, July (Beaulne): Ottawa Dist., May—June (Germain): Levis (Fyles): Joliette, July (Ouellet)

**P. decorus** Say — Montreal, June ; Rigaud, May; St. Johns Co.; Chambly Co., July (Chagnon): Joliette, July; Terrebonne, Aug. (Ouellet): Covey Hill, July (Walley): Ft. Coulonge, July (Beaulne): Ottawa Dist., May—June (Germain): Hemmingford, June (Hammond): Sherbrooke, Aug. (Begin): St. Jean Port Joli, May; Levis, June (Roy)

**P. elegans** Lw. — Joliette, July (Ouellet): Hemmingford, July (Armstrong): Sherbrooke June (Begin)

**P. nubeculosus** Zett. — Aylmer, Aug. (Hutchings): Rigaud, July (Beaulieu): Joliette, July; St. Louis, Aug.; Montreal, Aug. (Ouellet)

**P. viridis** Say — Levis (Fyles): June, (Roy): Montreal, July (Beaulieu): St. Johns Co., June; Montfort, June; Laval Co., May; St. Hilaire, May (Chagnon): Ottawa Dist., July—Aug. (Germain): St. Louis, Aug., Joliette, July; St. Remi, June (Ouellet): Sherbrooke, June (Begin)

**Microchrysa** Loew

**M. polita** Linn. — Levis (Fyles): Montreal, May; Rouville Co., May (Chagnon): Longueuil, May; Chambly Co., May; Rigaud, July (Beaulieu): Ottawa Dist., May—July (Germain)

**Stratiomys** Geoffroy

**S. apicula** Lw. — Montreal (Chagnon)

**S. badia** Walk. — Montreal (Chagnon): Gatineau, July (Beaulieu): Rawdon, Aug., (Ouellet): Anticosti Is., Aug. (Johansen): Levis, June (Roy): St. Placide, July (Chagnon):

**S. discalis** Lw. — Montreal (Chagnon); June (Ouellet): Hemmingford, June (Hammond): Levis, June (Roy)

**S. lativentris** Lw. — Montreal, June (Chagnon): Gatineau, July (Beaulieu): Three Rivers; Ottawa Dist., (Germain): Levis (Fyles) Shawbridge, Aug. (Winn): Hull, June

**S. meigeneii** Wied. — Montreal, June; Rigaud, May; Vaudreuil Co., St. Johns Co., June (Chagnon); Gatineau, July (Beaulieu): Brome Co., Aug. (Winn): Berthier, Aug.; Lauzon, June; Joliette, July (Ouellet): Levis, June (Roy)

**S. melanostoma** Lw. — Shawbridge, July (Chagnon):

**S. norma** Wied. — Levis (Fyles): St. Hilaire, June (Chagnon): Joliette, July; St. Eustache, Aug.; Montreal, June; Rigaud, July; Lauzon, July (Ouellet); Hull, June: Sherbrooke, (Begin)

**S. normula** Lw. — Levis (Fyles); June (Roy): Montreal, June (Caulfield): Gatineau, July (Beaulieu): Aylmer, June (Curran): Anticosti Is., Aug. (Johansen): Ottawa Dist., May—June (Germain): Lanoraie, July (Petch)

**S. normula var. notata** Lw. — Montreal, July (Winn)

**S. quaternaria** Lw. — Abbotsford, June (Petch): Hemmingford, June (Hammond)

**Odontomyia** Meigen

**O. cincta** Oliv. — Montreal (Chagnon): Ottawa Dist., June (Gibson)

**O. hydroleonoides** Johns. — Rigaud, July (Chagnon)

**O. interrupta** Oliv. — Montreal (Chagnon): Ottawa Dist., May (Gibson) Covey Hill, June (Armstrong): Hemmingford, June (Beaulne) : St. Hilaire, May; Cartierville, June (Winn): Sherbrooke, May (Begin)

**O. megantica** Curr. — Megantic, June; Woburn, June (Curran)

**O. nigerrima** Lw. — Ottawa Dist., (Germain)

**O. obscura** Oliv. — Sherbrooke, May (Begin)

**O. pilimana** Lw. — Ottawa Dist., May (Germain)

**O. pubescens** Day — Rigaud, May; Montreal, May (Chagnon): Gatineau, July (Beaulieu) Hemmingford, May (Hammond): Ottawa Dist., May—June; Three Rivers, Aug. (Germain): Hull, May—July (Curran & McDunnough): Bordeaux, June; Berthier, June (Ouellet): Sherbrooke, May (Begin)

**O. similis** Johns. — Sherbrooke, June (Begin)

**O. vertebrata** Say — Montreal, June (Chagnon): Hemmingford, June (Curran)

**O. virgo** Wied. — Montreal (Chagnon): Aylmer, July (Hutchings): Rigaud, July; St. Eustache; Joliette, July (Ouellet): Ottawa Dist., May—July (Germain)

**Euparyphus** Gerstaecker

**E. bellus** Lw. — Montreal (Chagnon): June, (Ouellet): Ottawa Dist., June (Metcalfe)

**E. tetraspilus** Lw. — Quebec (Osten Sacken): Hemmingford, June (Hammond): Montreal, June (Ouellet)

**Nemotelus** Geoffroy

**N. crassus** Lw. — Ottawa Dist., June—July (Germain)

**N. glaber** Lw. — Montreal,July (Beaulieu)

**N. nigrinus** Fall. — Montreal, June (Beaulieu): Oka, May (Ouellet)

**N. rigidus** Fall. — Ottawa Dist., June (Metcalfe)

**N. unicolor** Lw. — Montreal, July (Beaulieu): St. Remi, June (Ouellet): Ottawa Dist., June—July (Germain)

**Oxycera** Meigen

**O. albovittata** Mall. — Hemmingford, July (Hammond)

**O. approximata** Mall. — Hemmingford, June (Hammond)

**CŒNOMYIIDÆ**

**Cœnomyia** Latreille

**C. pallidus** Say — (**ferruginea** Scop.) Levis (Fyles): Chambly Co. (Beaulieu): Montreal (Chagnon): June (Winn): Ottawa Dist., July (Germain): Ft. Coulonge, July (Beaulne): Aylmer, July (Viereck)

**TABANIDÆ**

**Buplex** Austen
(Pangonia)

**B. tranquilla** O. S. — Levis, June (Fyles): Montfort, July (Chagnon): Rawdon, Aug. (Ouellet)

**Chrysops** Meigen

**C. æstuans** Wulp — St. Johns, Sept. (Chagnon): Rigaud, July (Ouellet): Ottawa Dist., July (Germain)

**C. callidus** O. S. — Montreal (Caulfield): Ottawa, Dist., June (Germain): Levis, June (Roy): Rouville Co., July: Joliette Co.

**C. carbonarius** Walk. — (fugax O.S.): Levis (Fyles); June, (Roy): Montreal (Cauldfield): Gatineau, July (Beaulieu): Anticosti Is., (Williston): Oka, May (Ouellet): St. Johns Co., June (Chagnon): Meach Lake, June (Young): Rouville Co.

**C. celer** O. S. — Montreal, June (Beaulieu): Rigaud, July; Montfort, July; St. Therese Is. (Chagnon): Brome Co., July; Shawbridge, July; Laval Co., June (Winn): Ft. Coulonge, July (Beaulne): Ottawa Dist., Germain)

**C. cuclux** Whitney — Rigaud, June (Beaulieu): Joliette, July (Ouellet): Aylmer, June (Hutchings): Ft. Coulonge, July (Beaulne): Covey Hill, June; Woburn, June (Curran): Ottawa Dist. (Germain): Levis, June (Roy)

**C. delicatula** O. S. — Levis, June (Roy)

**C. excitans** Walk. — Montreal, Montfort, July; Newaygo, June (Chagnon): Joliette, July (Ouellet): Shawbridge, July—Aug. (Winn): Abitibi Region, July (Cook): Levis, June (Roy)

**C. fallax** O. S. — Hemmingford, July; Covey Hill, July (Petch): Levis, June (Roy)

**C. frigidus** O. S. — Three Rivers, July, Ottawa Dist, June—July, (Germain): Hull, June (Hadwen): Lanoraie, July (Petch): Ft. Coulonge, June (Beaulne): Levis, June (Roy)

**C. hilaris** O. S. — Lauzon, July (Ouellet)

**C. indus** O. S. — Montreal, June (Chagnon): Gatineau, July (Beaulieu): St. Remi, June; Cap Rouge, July (Ouellet): Covey Hill, June; Hemmingford, June (Curran): Mount Orford, July; Bondville, July; Brome Co., July; Shawbridge, July (Winn): Ottawa Dist., (Germain)

**C. mitis** O. S. — St. Hilaire, June; Montreal, June; Montfort, July (Chagnon): Vaudreuil Co., July; Ottawa Dist., July (Beaulieu): Hemmingford, May (Petch): Shawbridge, July—Aug.; Newaygo, June (Winn)

**C. mœchus** O. S. — Joliette, July (Ouellet)

**C. mœrens** Walk. — Chambly Co.

**C. montanus** O. S. — Rigaud, Aug. (Ouellet): Ottawa Dist., May—June (Germain)

**C. niger** Macq. — Montreal, July (Beaulieu): Hemmingford, June (Petch): Lauzon, June (Ouellet): Newago, June (Chagnon): Brome Co., July (Winn): Sherbrooke, June (Begin): Levis, June (Roy)

**C. sackeni** Hine — Montreal, June (Beaulieu): Ottawa Dist., June (Germain)

**C. striatus** O. S. — St. Louis, Aug. (Ouellet): Hull, July (Beaulne): L'Achigan, Aug.; Shawbridge, July (Winn): Covey Hill, July (Petch): Levis (Fyles) June, (Roy): Ottawa Dist., June (Germain)

**C. univittatus** Macq. — Joliette, July (Ouellet): Levis, June (Roy)

**C. vittatus** Wied. — Levis (Fyles); June (Roy): St. Hilaire, July; Rigaud, July (Chagnon) Ottawa Dist., Aug. (Gibson): St. Eustache, Aug.; Terrebonne, Aug.; St. Remi, July; Joliette, July; Lauzon, July (Ouellet): Ft. Coulonge, Aug. (Beaulne): Hemmingford, June (Curran): Shawbridge, July—Aug.; Brome Co., July; Bondville, July (Winn): Covey Hill, July (Petch): Aylmer, Aug.

**C. wiedemanni** Krôber — Aylmer, July (Watson): Ft. Coulonge, July (Graham); Rigaud, July; St. Johns, July (Chagnon): Montreal, July (Winn)

**Tabanus** Linnaeus

**T. actæon** O. S. — St. Johns Co., Aug. (Chagnon)

**T. affinis** Kby. — Montreal, June (Beaulieu): Ottawa Dist., July (Fyles): Lanoraie, July (Petch): Hemmingford, June (Baker): Shawbridge, July (Winn): Lake Edward, July (Fleming): Ft. Coulonge, July (Beaulne)

**T. astutus** O. S. — Montreal, (Chagnon): Brome Co., July (Winn): Lake Edward, July (Fleming): Levis (Fyles); June (Roy): Anticosti Is., July (Cooper): Abitibi Region, Aug. (Cook): Ottawa Dist., May (Germain)

**T. bicolor** Wied. — Montreal (Chagnon): Rigaud, July (Ouellet): Hull, July (Beaulne): Ottawa Dist., May (Germain)
**T. cinctus** Fab. — Ironside, July (Stohr): Seven Islands, July (Roy)
**T. coffeatus** Macq. — Levis, June (Roy)
**T. cymatophorus** O. S. — Sherbrooke, June (Begin)
**T. dodgei** Whitney — Levis, June (Roy)
**T. epistates** O. S. — Montreal, July (Caulfield): Meach Lake, June (Fyles): Ottawa Dist., June (Germain)
**T. flavipes** Wied. — Bradore Bay, July (Lewis)
**T. illotus** O. S. — Montreal, Aug. (Winn)
**T. labradorensis** Ender. — Prov. Quebec; Can. Enton: LIX, p. 83, 1927.
**T. lasiophthalmus** Macq. — Montreal, June (Chagnon): Ottawa Dist., July (Beaulieu): Lauzon, July (Ouellet): Shawbridge, July; Brome Co., July (Winn): Vaudreuil, Co.: Levis (Fyles): June (Roy): Hemmingford, June; Lanoraie, July (Petch): Covey Hill, June (Armstrong): Aylmer, June (Watson): Sherbrooke, June (Begin)
**T. lineola** Fab. "The Striped Horse Fly".—Levis (Fyles); June (Roy): Ottawa Dist., June (Beaulieu): Montreal, June (Chagnon): Aylmer, July (Hutchings): Hemmingford, July (Hammond): Lanoraie, July (Petch): Covey Hill, July (Armstrong)
**T. metabolus** McD. — Lake Edward, July (Fleming): Abitibi Region, June (Cook): Romaine (Roy):
**T. minusculus** Hine — Ville Marie, Aug. (Ouellet)
**T. nigrovittatus** Macq. — Montreal (Chagnon)
**T. nivosus** O. S. — Lauzon, July (Ouellet)
**T. nudus** McD. — Montreal, May (Ouellet)
**T. orion** O. S. — Montreal (Chagnon): Rawdon, Aug. (Ouellet): Ottawa Dist.; July, Three Rivers (Germain): Aylmer, Aug. (Hutchings): Levis, June (Roy)
**T. pumilus** Macq. — Levis, June (Roy)
**T. recedens** Walk. — Montreal, July (Caulfield)
**T. reinwardtii** Wied. — Montreal (Chagnon): Levis (Fyles); June (Roy): St. Hilaire, July (Winn): Lanoraie, July (Petch)
**T. septentrionalis** Lw. — Montreal (Chagnon): Lanoraie, July (Petch): Boucherville, July (Ouellet): (These records are doubtful)
**T. sparus** Whitney — Levis, June (Roy)
**T. thoracicus** Hine — Joliette, July (Ouellet)
**T. trepidus** McD. — Ft. Coulonge, (Beaulne): Lanoraie, July (Petch)
**T. trispilus** Wied. — Rigaud, July (Chagnon): Montreal, June—Aug.; Rawdon, Aug. (Ouellet): Shawbridge, July; Bondville, July (Winn): Covey Hill, Aug. (Petch): Seven Islands, July (Roy)
**T. vivax** O. S. — Lauzon, June (Ouellet): Levis, June (Roy)
**T. zonalis** Kby. — Lanoraie, June (Beaulne): Anticosti Is., Aug. (Schmitt): Abitibi Region, May (Cook): Mattawa, June (Wilson): Seven Islands, July (Roy)

## RHAGIONIDÆ

### Dialysis Walker

(**Triptotricha** Loew)

**D. elongata** Say — Montreal (Chagnon): July, (Ouellet)

### Rhagio Fabricius

(**Leptis** Fabricius)

**R. boscii** Macq. — Quebec (Fyles)
**R. mystacea** Macq. — Montreal, June; Rigaud, June; St. Johns Co., June; (Chagnon): Ottawa Dist., May—June (Germain): Hemmingford, June (Petch): Joliette, July; Lauzon, July; St. Rémi, June (Ouellet): Cascades, June (Ozburn): Megantic, June (Curran): Aylmer, June (Hutchings): Ft. Coulonge, June (Beaulne): Meach Lake, June—July (Gibson): Shawbridge, July; Montfort, June; Newago, June

(Winn): Sherbrooke, May (Begin): Lvis, June (Roy): Vaudreuil Co., May: Rouville Co., June: Chambly Co., June: Terrebonne Co. June

**R. ochracea** Lw. Montreal, June (Ouellet)

**R. punctipennis** Say Montreal, June (Caulfield)

**R. vertebrata** Say (**scapularis** Lw.; **hirta** Lw.): Montreal (Caulfield): Levis; Quebec (Fyles): Rigaud, July (Chagnon): East Bolton, July; Montfort (Winn): Knowlton, July; Covey Hill, July (Walley): Aylmer, July (Hutchings): Hemmingford, July (Hammond): Ottawa Dist., June—July; Lake McGregor, July (Germain): Joliette, July; Lauzon, July; St. Hilaire, June (Ouellet): Wakefield, Aug. (Ide)

**Chrysopilus** Macquart

**C. flavida** Bigot Montreal (Chagnon)

**C. ornatus** Say Montreal (Caulfield)

**C. proximus** Walk. (**propinquus** Walk): Mt St. Hilaire, June; Montreal, June; Rigaud, June; St. Johns (Chagnon): Brome Co., July; Shawbridge, June (Winn): Lauzon, June; Joliette, July; St. Remi, July (Ouellet): Ottawa Dist., May—June (Germain): Covey Hill, June (Brown & Walley): Hemmingford, June; Megantic, June (Curran): Aylmer, June (Hutchings): Wakefield, July (Walley): Terrebonne Co., June.

**C. quadratus** Say Levis (Fyles): Rigaud, July; St. Johns Co., July (Chagnon): Montreal, June (Beaulieu): Shawbridge, July; Newaygo, June; Brome Co., Aug. (Winn): Aylmer, July (Viereck): Covey Hill, Aug.; Hemmingford, July (Petch): Ottawa Dist., May (Germain): St. Louis, Aug.; Joliette, July; Lauzon, July (Ouellet): Chelsea, July.

**Ptiolina** Zetterstedt

**P. augusta** Curr. Natashquan, Aug. (Brown)

**P. mitis** Curr. Natashquan, June (Brown)

**Atherix** Meigen

**A. variegata** Walk. Montreal (Chagnon): Beauceville, June (Roy)

**Symphoromyia** Fravenfeld

**S. algens** Leonard Bradore Bay, July; Natashquan, Aug. (Brown):

**CYRTIDÆ**

**Pterodontia** Gray

**P. flavipes** Gray Levis; Gomin Swamp, Quebec (Fyles): Ile Grosbois, July (Stevenson): Rigaud (Chagnon): Lauzon, June (Ouellet): Hemmingford, July (Petch)

**Ogcodes** Latreille

(**Oncodes**)

**O. costatus** Lw. Montreal (Chagnon): Rigaud, June (Ouellet)

**O. incultus** O. S. Shawbridge, July (Winn)

**O. pallidipennis** Lw. St. Johns Co. (Chagnon): Ottawa Dist., July—Aug. (Germina)

**Opsebius** Costa

**O. pterodontinus** O. S. Montreal (Chagnon)

**Acrocera** Meigen

**A. bimaculata** Lw. Levis (Roy): Joliette, July (Ouellet)

## BOMBYLIIDÆ

### Anthrax Scopoli

(**Spogostylum** Macquart)

**A. albofasciata** Macq. Aylmer, July (Hutchings): Natashquan, Aug. (Brown)
**A. anale** Say Mt. St. Hilaire, June; Montreal (Chagnon):
**A. limatula** Say Ottawa Dist., June (Germain)
**A. irrorata** Say Montreal (Chagnon): Joliette, July (Ouellet): Hemmingford, July (Hammond): Meach Lake, July (Ozburn) Aylmer, Aug. (Hutchings)
**A. seminigra** Lw. Levis (Roy)

### Villa Lioy

(Anthrax)

**V. alcyon** Say Montreal (Caulfield): Shawbridge, Aug. (Winn)
**V. alternata** Say Montreal, July (Caulfield): Gatineau, July (Beaulieu): St. Hilaire, July; (Shawbridge, July (Winn): Covey Hill, July (Petch): Ottawa Dist., (Germain): St. Louis, Aug. (Ouellet): Levis (Roy)
**V. fulviana** Say Levis, Aug. (Fyles): St. Johns, Sept.; Montreal, Sept. (Chagnon): Hull, July (Beaulne): Hemmingford, Aug. (Armstrong): Aylmer, Aug. (Hutchings)
**V. fulviana** var. **nigricauda** Lw. Ottawa Dist., May —June (Germain): Covey Hill, July (Petch) Charlevoix Co., Aug.; Tadousac, Aug.; Shawbridge, July (Winn)
**V. fulvohirta** Wied. Chambly (Chagnon)
**V. hypomelas** Macq. Montreal; Rigaud, May; Chambly (Chagnon): Sherbrooke, Aug. (Begin)
**V. lateralis** Say Chateauguay, July; Rigaud, July (Chagnon): Montreal, July (Beaulieu): Tadousac, Aug., Shawbridge, Aug.; St. Hilaire, July (Winn): Joliette, July; Lauzon, Aug. (Ouellet): Fairy Lake, Aug. (Ozburn): Aylmer, Aug. (Hutchings): Ottawa Dist., (Germain): Ironside, Aug. (Stohr): Levis (Roy)
**V. lateralis** var. **gracillis** Macq. Covey Hill, July (Petch)
**V. molitor** Lw. Aylmer, Sept. (Graham): Hull, Aug. (Hewitt)
**V. morio** Linn. Montreal, July; Rigaud, July; St. Johns Co., July (Chagnon): Shawbridge, July—Aug.; St. Hilaire, June; Tadousac, July; Montfort, July; Brome Co., July (Winn): Levis (Fyles): Joliette, July (Ouellet): Ottawa Dist., May—June (Germain): Covey Hill, June; Hemmingford, July (Petch)
**V. moroides** Say Hemmingford, July (Petch)
**V. sinuosa** Wied. Montreal, July (Caulfield)
**V. tegminipennis** Say Montreal (Chagnon): Hull, July (Beaulne): Shawbridge, Aug. (Winn): Sixteen Is. Lake, July (Miss I.B. Muir): St. Louis, Aug.; Rawdon, Aug.; Joliette, July (Ouellet): Ottawa Dist., June (Germain): Fairy Lake, Aug. (Ozburn): Aylmer, Aug. (Hutchings): Hull, July (Hewitt)
**V. webberi** Johns. Montreal, June (Chagnon): Joliette, July (Ouellet): Brome Co., July; Shawbridge, July (Winn): Hull, June (Curran): Chelsea (Young): Ottawa Dist., June (Germain)

### Bombylius Linnaeus

**B. major** Linn. Levis (Fyles): Mt. St. Hilaire, May; Rigaud, May; Montreal (Chagnon): St. Martin, May; Newaygo, June; Shawbridge ,July; Montfort, June (Winn): Sixteen Is. Lake, May (Miss I. B. Muir): Three Rivers, May—July (Germain)
**B. pygmaeus** Fab. Levis (Fyles); May—June (Roy): St. Hilaire, May (Chagnon): Montreal, May; Newaygo, June; Como. May; Montfort, June (Winn): Sillery, June (Lyman): Ottawa Dist., May; Three Rivers, May (Germain): Aylmer, May (McDunnough): Covey Hill, May (Armstrong): Hemmingford, May (Hammond)

**B. subvarius** Johns. — Ottawa Dist.; Three Rivers (Germain)
**B. validus** Lw. — Rigaud, May; Montreal (Chagnon): Aylmer, June (Hutchings): Cascades, June (McDunnough): Ironside, June (Stohr): Levis, June (Roy)

**Systœchus** Loew

**S. vulgaris** Lw. — Montreal (Chagnon): Joliette, July (Ouellet): Ottawa Dist., July (Germain)

**Eclimus** Loew

**E. harrisii** O. S. — Aylmer, June (Hutchings)

**Systropus** Wiedemann

**S. macer** Lw. — Laval Co., Aug.; Aylmer, Sept. (Graham): Rigaud, Aug. (Ouellet): Montreal, Aug. (Chagnon)

**SCENOPINIDÆ**

**Scenopinus** Latreille

**S. fenestralis** Linn. — Montreal (Caulfield): Ft. Coulonge, July (Beaulne): Ottawa Dist., July (Germain): Joliette, July; St. Remi, June, St. Louis, Aug. (Ouellet): Levis, May; St. Anne de Beaupré, June (Roy)

**ASILIDÆ**

**Leptogaster** Meigen

**L. annulatus** Say — Quebec (Fyles)
**L. badia** Lw. — Montreal, July; Rigaud, June (Beaulieu): St. Johns Co., June; Ste Therese Is., July (Chagnon): Hemmingford, July (Hammond): Ottawa Dist., June (Germain)
**L. flavillaceus** Lw. — Rigaud, June (Beaulieu)
**L. flavipes** Lw. — Rigaud; Montreal (Chagnon): Ottawa Dist., May (Germain)
**L. insisuralis** Lw. — St. Placide, July (Chagnon)
**L. loewi** Banks — Ottawa Dist., July (Germain)
**L. murinus** Lw. — St. Louis, Aug. (Ouellet)
**L. testacea** Lw. — Montreal (Chagnon)
**L. virgatus** Coq. — St. Eustache, Aug.; St. Remi, June (Ouellet)

**Dioctria** Meigen

**D. albius** Walk. — Montfort, July (Chagnon)
**D. sackeni** Will. — Montfort, July (Chagnon)

**Holopogon** Loew

**H. guttala** Wied. — Montreal, Aug.; Rigaud, June (Beaulieu): Three Rivers June—July (Germain): Ft. Coulonge, July (Beaulne): Hull, June
**H. tibialis** Curr. — Covey Hill, July (Walley)

**Cyrtopogon** Loew

**C. bimacula** Walk. — Levis Co., June (Roy): Gaspe (Young)
**C. falto** Walk. — (**chrysopogon** Lw.) Montreal, June; Rigaud, May (Chagnon): St. Hilaire, May (Winn): Ottawa Dist., June (Germain): Oka, May (Ouellet): Hemmingford, May—June; Covey Hill, June (Petch): Aylmer, June (Hutchings): Meach Lake, June (Young): Levis, June (Roy)
**C. lutatius** Walk. — Aylmer, July (Curran)
**C. marginalis** Lw. — Levis Co., July (Roy): Lauzon, July (Ouellet)
**C. varans** Curr. — Gaspe, Sept. (Young)

**Lasiopogon** Loew

**L. tetragrammus** Lw. — Three Rivers, July (Germain)

**Holcocephala** Jaennicke

**H. abdominalis** Say — St. Placide, July (Chagnon)

**Neopogon** Bezzi

(**Stichopogon**)

**N. trifasciata** Say — Ottawa Dist., June (Germain)

**Pogonosoma** Rondani

**P. ridingsi** Cress. — Ottawa Dist., May—June (Germain). Rare in East.

**Nusa** Walker

**N. fulvicauda** Say — Montreal (Chagnon)

**Lampria** Macquart

**L. bicolor** Wied. — Quebec (Fyles)

**Bombomia** Enderlein

**B. flavicollis** Say — Quebec (Fyles); June (Roy): Montreal (Caulfield): Ste. Therese Is., July (Chagnon): Bondville, July; Montfort, July; Orford Lake, July (Winn): Three Rivers, June; Ottawa Dist. (Germain): St. Eustache, Aug. (Ouellet): Covey Hill, June (Petch): Aylmer, July (Hutchings)

**B. grossa** Fab. — Montreal (Chagnon)

**B. postica** Say — Montreal (Chagnon): Chambly Co.: Levis (Fyles); June (Roy): Three Rivers (Germain): Meach Lake, July (Ozburn): Wakefield, June (McDunnough): Aylmer, June (Hutchings): Kazubazua, July; Covey Hill, June (Walley): Ft. Coulonge, June (Beaulne): Joliette, July; St. Remi, June (Ouellet): Lanoraie, July (Petch)

**B. posticata var. scutellaris** — Bromley Aylmer, July (Curran)

**B. sacrator** Walk. — Montreal, May (Chagnon): Montfort, July; Brome Co., July (Winn) Levis (Fyles)

**B. thoracica** Fab. — East Bolton, July; Rosemere, July; St. Hilaire, July (Winn): Montreal, June; Rigaud, July (Chagnon): Aylmer, June (Ozburn): St. Johns, July (Ouellet)

**Laphria** Meigen

**L. æatus** Walk. — (**index** McA.): Montreal, June (Beaulieu): Covey Hill, July (Petch): Aylmer, June (Curran): Hemmingford, June (Baker)

**L. aimates** McA. — Ft. Coulonge, July (Beaulne): Levis, June (Roy)

**L. canis** Will. — Montreal, June (Beaulieu): Montfort, July; Shawbridge, July—Aug. (Winn): St. Louis, Aug.; Rigaud, Aug. (Ouellet): Ottawa Dist., June—July (Germain): Covey Hill, June (Petch): Aylmer, Aug. (Graham): Chelsea, July

**L. gilva** Linn. — Montreal (Caulfield): Rigaud, July; Vaudreuil Co., July (Chagnon): Ft. Coulonge, July (Beaulne): Levis, June (Roy)

**L. janus** McA. — Ft. Coulonge, June (Beaulne): Chelsea, May (Fletcher): Aylmer, June (Viereck): Kazubazua (Sladen)

**L. sadalis** Walk. — (**pubescens** Will.) Montreal, July; St. Johns Co., July (Chagnon): Aylmer, June; Woburn, June (Curran)

**L. sericea** Say — Levis (Fyles): Montreal (Chagnon): Shawbridge, Aug. (Winn): Ottawa Dist., June—July (Germain): Hemmingford, June (Petch)

**Asilus** Linnaeus

**A. annulipes** Macq. Levis (Fyles): St. John Co., June
**A. callidus** Will. Montreal (Chagnon): St. John Co., Aug.
**A. erythrocnemius** Hine Montreal, Aug.; Joliette, July; St. Louis, Aug. (Ouellet): Hemmingford, Aug. (Armstrong): St. Placide, Joly (Chagnon): Natashquan, Aug. (Brown)
**A. flavofemoratus** Hine Montreal (Chagnon): St. Placide, July (Chagnon)
**A. nitidifascies** Hine Seven Isles, July (Waugh): Natashquan, Aug. (Brown)
**A. notatus** Wied. Montreal, June (Beaulieu): Tadousac, Aug. (Winn): Aylmer, July (Hutchings): Lanoraie, July (Petch): Hemmingford, June (Baker): Ottawa Dist., June (Germain): St. Eustache, Aug.; St. Hilaire, June; Rigaud, Aug.; Terrebonne, Aug.; Joliette, July (Ouellet): Sherbrooke, Sept. (Begin): Shawbridge, July (Chagnon): Ft. Coulonge, July (Beaulne)
**A. novæ-scotiæ** Macq. Levis (Fyles): Mt. St. Hilaire, June; Rigaud, July (Chagnon): Montreal, Aug—Sept. (Ouellet): Lanoraie, July; Covey Hill, July (Petch): Hemmingford, Aug. (Beaulne): Sherbrooke, Nov. (Begin)
**A. orphne** Walk. St. Hilaire, June; Montreal, July (Beaulieu): Ottawa Dist., July; Lake McGregor, July (Germain): Covey Hill, June (Walley): Aylmer, July (Curran): Hemmingford, June (Hammond): St. Placide, July (Chagnon)
**A. paropus** Walk. Hull, Aug. (Hewitt): Aylmer, Aug. (Hutchings): Montreal, Aug. (Beaulieu): Hemmingford, July (Petch): Rougemont, Aug. (Hammond): St. Louis, Aug.; Rigaud, Aug. (Ouellet): St. Placide, July (Chagnon)
**A. sadyates** Walk. St. Johns, July; Montreal, July—Sept. (Winn): St. Louis, Aug.; Rigaud, Aug.; Joliette, July (Ouellet): Hemmingford, Aug.-—Oct. (Hammond): Covey Hill, July (Armstrong): Ottawa Dist., June (Germain): St. Placide, July (Chagnon)
**A. snowi** Hine Levis (Fyles): Mont St. Hilaire, June; Montreal, June; St. Johns, June (Chagnon): Charlevoix Co., Aug.; Bondville, July (Winn): St. Eustache, Aug.; Rigaud, Aug.; Joliette, July; St. Remi, June; Lauzon, Aug. (Ouellet): Hemmingford, Aug. (Hammond): Ottawa Dist., May—July (Germain)

**Erax** Scopoli

**E. æstuans** Linn. (**bastardii** Macq.)Tadousac, Aug.; Charlevoix Co., Aug. (Winn)

**THEREVIDÆ**

**Psilocephala** Zetterstedt

**P. canadensis** Cole Montfort (Johnson)
**P. frontalis** Cole Montreal, July; Rigaud, June (Beaulieu): Hemmingford, Aug. (Beaulne): Joliette, July (Ouellet): Shawbridge, July (Winn): Maniwaki (Beaulieu): St. Placide, July (Chagnon)
**P. grandis** Johns. Rouville Co. (Chagnon)
**P. hæmorrhoidalis** Macq. Rigaud, July (Chagnon): Montreal, Aug. (Beaulieu): Ottawa Dist., May—June (Germain): St. Louis, Aug. (Ouellet): Levis, June (Roy)
**P. munda** Lw. (**melanoprocta** Lw.): Montreal (Chagnon): Rigaud, Aug. St. Louis, Aug. (Ouellet): Tadousac, Aug.; Charlevoix Co.; Brome Co., Aug. (Winn): Sherbrooke, June (Begin): Levis, June (Roy)
**P. notata** Wied. Prov. of Quebec (Ouellet)

**Thereva** Latreille

**T. candidata** Lw. Montreal (Caulfield): Lanoraie, June; Ft. Coulonge, July (Beaulne): Wakefield, Aug. (McDunnough): Rigaud, July; Joliette, July (Ouellet): Charlevoix, Co., Aug. (Winn): Berthier, June (Maltais): Levis, June (Roy): Natashquan, Aug. (Brown)
**T. flavicincta** Lw. Ottawa Dist., June; Three Rivers (Germain): Aylmer, July (Viereck)

**T. frontalis** Say — Aylmer, July (Curran): Montreal (Chagnon): Covey Hill, July (Walley): Berthier, June (Ouellet): Ottawa Dist., June (Germain: Tadousac, Aug. (Winn)

**T. nigra** Say — (**Psilocephala nigra** Say): Ottawa Dist., (Germain): Levis, June (Roy): Montreal, Aug.; St. Louis, Aug. (Ouellet)

**T. senex** Walk. — Levis (Fyles): Montreal (Caulfield)

**T. ustulata** Krober — Laval Co.

## EMPIDIDÆ

### **Stilpon** Loew

**S. varipes** Lw. — Montreal, Apr.-July (Beaulieu)

### **Eudrapetis** Melander

**E. armata** Mel. — Berthier, June (Ouellet): Roberval, July (Beaulieu)

### **Drapetis** Meigen

**D. medetera** Mel. — Ottawa Dist., July (Germain)

### **Platypalpus** Macquart

**P. æqualis** Lw. — Montreal, July; Roberval, July; Rigaud, July (Beaulieu): Joliette, July (Ouellet): Ottawa Dist., June—July (Germain): Hemmingford, July (Maltais)

**P. crassifemoris** Fitch — Montreal, July (Beaulieu): Hemmingford, July (Hammond)

**P. discifer** Lw. — Berthier, June (Ouellet)

**P. hastatus** Mel. — Montreal, June (Beaulieu)

**P. holosericeus** Mel. — Megantic, June (Curran)

**P. trivialis** Lw. — Montreal, Aug.; Roberval, July; Rigaud, Aug. (Beaulieu): Hemmingford, July (Hammond): Hull, July (Beaulne)

### **Tachydromia** Meigen

**T. enecator** Mel. — St. Johns (Chagnon)

**T. maculipennis** Walk. — (**pusilla** Lw.) Hull, May; Aylmer, May (Curran): Ottawa Dist., May—June (Germain): Hemmingford, June (Maltais)

### **Chelipoda** Macquart

### (**Litanomyia** Melander)

**C. elongata** Mel. — Hull, Aug.; Covey Hill, June (Curran)

### **Hemerodromia** Meigen

**H. palloris** Coq. — Montreal, Sept. (Beaulieu)

**H. rogatoris** Coq. — Hemmingford, June (Curran)

**H. scapularis** Lw. — Covey Hill, June (Curran)

### **Clinocera** Meigen

**C. binotata** Lw. — Montreal (Melander)

**C. fuscipennis** Lw. — Covey Hill, June (Curran)

### **Syneches** Walker

**S. pusillus** Lw. — Terrebonne, Aug.; St. Louis, Aug. (Ouellet)

**S. rufus** Lw. — Joliette, July (Ouellet)

**S. simplex** Walk. — Montreal, July; Rigaud, June (Beaulieu): Joliette, July (Ouellet)

**S. thoracicus** Say — Kingsmere, July (Chrystal): Ottawa Dist., June (Germain)

### **Syndyas** Loew

**S. polita** Lw — Montreal, July (Beaulieu)

**Euhybos** Coquillett

**E. triplex** Walk. — Montreal, Aug.; Roberval, July (Beaulieu): Rigaud, July (Chagnon) Hemmingford, June (Petch): Covey Hill, June (Curran): Joliette, July; St. Remi, June (Ouellet): Charlevoix Co., Aug. (Winn): Ottawa Dist., July (Germain)

**Hybos** Meigen

**H. slossonæ** Coq. — St. Johns, Aug. (Beaulieu)

**Oedalea** Meigen

**O. chioensis** Mel. — Montreal Is., July (Beaulieu)

**Leptopeza** Macquart

**L. compta** Coq. — Montreal, July (Beaulieu): Ottawa Dist., July (Germain): Megantic, June (Curran)
**L. flavipes** Meig. — Montreal, May (Ouellet)
**L. borealis** Zett. — Aylmer, May—June; Hull, May (Curran)

**Ocydromia** Meigen

**O. glabricula** Fall — Ottawa Dist., May—June; Aylmer, June (Germain)

**Empis** Linnaeus

**E. browni** Curr. — Harrington Harbour, July; Little Mekattina Is.; Bonne Esperance, July; Net Is., July; Bradore Bay, July; Vremfort, Côte Nord, July; Seven Islands, July (Brown): Old Fort, July (Roy)
**E. nuda** Lw. — Montreal, June (Beaulieu): Levis, June (Roy)
**E. otiosa** Coq. — Montreal (Chagnon): Chambly Co., June (Beaulieu): Aylmer, May; Hull, May (Curran): Sherbrooke, May (Begin)
**E. reciproca** Walk. — Sherbrooke, June (Begin)
**E. spectabilis** Lw. — Sherbrooke (Begin)
**E. varipes** Lw. — Montreal (Chagnon): Hull, Sept. (Curran): Ft. Coulonge, July (Beaulne)

**Hilara** Meigen

**H. atra** Lw. — Chelsea, May (Gibson)
**H. femorata** Lw. — Rigaud, June (Beaulieu): Covey Hill, June (Curran)
**H. leucoptera** Lw. — Montreal, July (Beaulieu)
**H. mutabilis** Lw. — Joliette, July (Ouellet)
**H. tristis** Lw. — St. John, July; Montreal, June (Beaulieu)
**H. umbrosa** Lw. — Levis (Fyles)
**H. unicolor** Lw. — Sherbrooke, June (Begin)
**H. velutina** Lw. — Montreal, July (Beaulieu): Sherbrooke, May (Begin)

**Cyrtoma** Meigen

**C. longipes** Lw. — Montreal, July; Rigaud, July (Beaulieu): Ottawa Dist., June (Germain): Lauzon, June (Ouellet): Hull, June (Mis G. Beaulieu)

**Rhamphomyia** Meigen

**R. americana** Wied. — Montreal, May (Ouellet): Sherbrooke, May (Begin)
**R. basalis** Lw. — Lauzon, July (Ouellet): Sherbrooke, June (Begin)
**R. chagnoni** Mel. — Montreal, June (Chagnon): St. Hilaire, May (Beaulieu): Como, May (Winn)
**R. exigua** Lw. — Sherbrooke, May (Begin)
**R. fumosa** Lw. — Montreal, June (Ouellet): St. Placide, June (Chagnon)
**R. gilvipilosa** Coq. — Aylmer, May (McDunnough): Wakefield, May (Hewitt)
**R. insecta** Coq. — Berthier, June (Ouellet)

**R. irregularis** Lw. — Montreal, May (Ouellet): Ottawa Dist., May—July (Germain): Sherbrooke, May (Begin)
**R. lævigata** Lw. — Montreal Dist. (Chagnon): Ottawa Dist., July (Germain)
**R. longicauda** Lw. — Montreal, June; Rigaud (Beaulieu)
**R. mutabilis** Lw. — Montreal, June (Beaulieu): St. Laurent, June (Maltais): Sherbrooke, June (Begin): Levis, June (Roy)
**R. otiosa** Coq. — Wakefield, May (Hewitt)
**R. phemius** Walk. — Sherbrooke, June (Begin)
**R. priapulus** Lw. — Wakefield, May (Hewitt)
**R. pulla** Lw. — Montreal (Chagnon): Lauzon, June; Oka, May (Ouellet): Sherbrooke, June (Begin)
**R. rustica** Lw. — Montreal (Chagnon)
**R. umbrosa** Lw. — Montreal (Chagnon): Quebec (Fyles): Chambly, May (Chagnon)

**Proclinopyga** Melander

**P. fistulator** Mel. — Megantic, June (Curran)

**Allanthalia** Zetterstedt

**A. pallida** Zett. — Aylmer, May (Curran)

**Chamœdipsia** Melander

**C. hamifera** Mel. — Hull, July (Curran)
**C. currani** Mel. — Hemmingford, June (Curran)

## DOLICHOPIDÆ

**Condylostylus** Bigot

**C. calcaratus** Lw. — Montreal, July (Beaulieu): Levis, July—Aug. (Roy)
**C. caudatus** Wied. — Montreal, Aug.; Rigaud, June (Beaulieu): Ft. Coulonge, Aug. (Beaune): Hull, July (Miss Beaulieu): Chambly Co., July; St. Johns Co., Aug. (Aldrich): St. Eustache, Aug.; Joliette, July; St. Remi, June; St. Louis, Aug.; St. Hilaire, June (Ouellet): Hemmingford, June (Petch): Ottawa Dist., (Germain)
**C. inermis** Lw. — Hull, July (Beaulne): Ottawa Dist., July (Germain)
**C. patibulatus** Say — Montreal (Chagnon): June (Ouellet): Joliette, July (Ouellet): Hemmingford, June (Petch): Ottawa Dist., Aug. (Germain): Aylmer, July (Curran)
**C. pilicornis** Ald. — Rigaud, June (Beaulieu)
**C. scrobinator** Lw. — Montreal, July (Beaulieu): Joliette, July; St. Remi (Ouellet): Hull, July; Ft. Coulonge, July (Beaulne): Hemmingford, July (Hammond)
**C. sipho** Say — Montreal, Aug. (Beaulieu): Rigaud, Aug. (Chagnon): Rouville Co., July; Joliette, July (Ouellet): Hemmingford, Aug. (Hammond): Aylmer, July (Curran): Hull, June (Cramp)

**Sciapus** Zeller

(**Agonosoma** Aldrich)
(**Psilopus** Meigen)

**S. tener** Lw. — Montreal, July (Beaulieu)

**Diaphorus** Meigen

**D. cylindricus** V. D. — Hull, June (Curran)
**D. gibbosus** V. D. — St. Remi, July; Joliette, July (Ouellet)
**D. mundus** Lw. — Montreal, July (Beaulieu)
**D. opacus** Lw. — Hull, July (Beaulne): Joliette, July; St. Louis, Aug. (Ouellet)
**D. palpiger** Wheel. — (**Chrysotus spinifer Mall.**). Oka (Ouellet): Woburn, June; Hull, June; Megantic, June (Curran): Kazubazua, June (Brown): Rigaud, July (Beaulieu)
**D. quadratus** V. D. — Hemmingford, June; Covey Hill, June (Curran)

### **Chrysotus** Meigen

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|---|---|
| **C. affinis** Lw. | Rigaud, July—Aug. (Beaulieu): Montreal, June; St. Remi, June (Ouellet) |
| **C. bellus** V. D. | Berthier, June (Maltais) |
| **C. choricus** Wheel. | (**ciliatus** Mall). Lanoraie, June (Beaulieu) |
| **C. convergens** V. D. | Montreal, July (Ouellet): Aylmer, July—Aug. (Curran) |
| **C. currani** V. D. | Roberval, July (Beaulieu) |
| **C. discolor** Lw. | Ft. Coulonge, July (Beaulne): Roberval, July (Beaulieu); Joliette, July; St. Louis, June (Ouellet) |
| **C. halteralis** V. D. | Hull, June (Curran) |
| **C. hirtipes** V. D. | Roberval, July (Beaulieu): Hemmingford, June (Hammond) |
| **C. hirtipes** var. **dubius** V. D. | Roberval, July; Montreal, July; Rigaud, July (Beaulieu): St. Johns, July |
| **C. johnsoni** V. D. | Aylmer, Aug. (Curran): St. Jean Port-Joli, July (Roy) |
| **C. obliquus** Lw. | Montreal, July; Rigaud, July; Lanoraie, June (Beaulieu): Covey Hill, June; Hemmingford, June; Hull, July (Curran) |
| **C. tibialis** V. D. | Montreal, June (Ouellet): Covey Hill, June (Curran) |
| **C. varipes** V. D. | Joliette, July (Ouellet) |
| **C. vulgaris** V. D. | St. Remi, June (Ouellet) |
| **C. wisconsinensis** Wheel. | Montreal, July; Roberval, July; Chicoutimi, July; Rigaud, July (Beaulieu) |

### **Campsicnemus** Haliday

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|---|---|
| **C. degener** Wheel. | Hull, June (Curran) |
| **C. hirtipes** Lw. | Montreal, July; Rigaud, July (Beaulieu) |

### **Argyra** Macquart

| | |
|---|---|
| **A. albicans** Lw. | Montreal, July (Beaulieu): St. Louis, Aug.; Oka, May (Ouellet): Hull, June; Aylmer, July; Hemmingford, June (Curran): Sherbrooke, June (Begin) |
| **A. albicoxa** V. D. | Hull, June (Curran) |
| **A. bimaculata** V. D. | Hull, June (Curran) |
| **A. calceata** Lw. | Montreal, July (Beaulieu) |
| **A. currani** V. D. | Aylmer, May; Hull, June (Curran) |
| **A. cylindrica** Lw. | Sherbrooke, Sept. (Begin) |
| **A. nigricoxa** V. D. | Montreal, July |
| **A. robusta** Johns. | Vaudreuil Co., July (Type locality): Hull, June (Curran) |
| **A. sericata** V. D. | Hull, June (Curran): Rigaud, June (Beaulieu) |
| **A. velutina** V. D. | Covey Hill, June; Hull, June (Curran) |

### **Rhaphium** Meigen

(**Porphyrops** Meigen)
(Xiphandrium Loew)

| | |
|---|---|
| **R. arboreum** Curr. | Megantic, June (Curran) |
| **R. armatus** Curr. | Hull, June (Curran) |
| **R. browni** Curr. | Natashquan, Aug. (Brown): |
| **R. canadensis** Curr. | Hull, June; Megantic, June; Covey Hill, June (Curran) |
| **R. crassipes** Meig. | Megantic, June; Hull, June (Curran) |
| **R. effilatum** Wheel. | Montreal, July (Beaulieu): Hull, June (Curran) |
| **R. fascipes** Meig. | Aylmer, June; Hull, June (Curran) |
| **R. femineum** V. D. | Hull, June (Curran) |
| **R. femineum var. dubium** | Hull, May—June (Curran) |
| **R. furcifer** Curr. | Tabatiere, July (Brown) |
| **R. melampus** Lw. | Kazubazua, June (Ouellet): Hull, June (Curran) |
| **R. nudus** V. D. | Berthier, June (Ouellet): Hull, June (Curran) |
| **R. ornatum** V. D. | (**petchi** Curr.) Covey Hill, June; Hemmingford, June (Curran) |
| **R. punctitarsis** Curr. | Aylmer, May; Hull, June (Curran) |
| **R. rotundiceps** Lw. | Berthier, June (Ouellet): Hull, June (Curran) |
| **R. septentrionale** Curr. | Natashquan, Aug. (Brown) |
| **R. slossonæ** Johns. | Rigaud, Aug.; Terrebonne, Aug. (Ouellet): Hull, June (Curran) |
| **R. vanduzeei** Curr. | Kazubazua, June (Ide) |

**Syntormon** Loew

**S. cinereiventris** Lw. — Hull, May—Sept. (Curran): St. Louis, Aug. (Ouellet)
**S. tricoloripes** Curr. — Hull, May—June (Curran)

**Sympycnus** Loew

**S. lineatus** Lw. — Montreal, July; Rigaud, July (Beaulieu): St. Louis, Aug. (Ouellet): Hull, May (Walley): Aylmer, June (Curran)

**Neurigona** Rondani

**N. carbonifer** Lw. — Montreal, July; Rigaud, June (Beaulieu)
**N. lateralis** Say — Montreal, July (Beaulieu): Joliette, July (Ouellet): Aylmer, Aug. (Curran)
**N. maculata** V. D. — Joliette, July (Ouellet)
**N. nitida** V. D. — Hemmingford, June (Curran)

**Medeterus** Fischer von Waldheim

**M. frontalis** V. D. — Joliette, July (Ouellet)
**M. halteralis** V. D. — Laprairie, July (Ide): Aylmer, July (Curran)
**M. vanduzeei** Curr. — Aylmer, July (Curran)
**M. veles** Lw. — St. Louis, Aug. (Ouellet)
**M. vittatus** V. D. — St. Louis (Ouellet): Laprairie, July (Ide): Aylmer, July (Curran)

**Thrypticus** Gerstacker

**T. comosus** V. D. — Oka, May (Ouellet)

**Hydrophorus** Fallen

**H. æstuum** Lw. — Hemmingford, June (Petch): Ottawa Dist., Aug. (Germain) Old Fort Is., July (Brown)
**H. agalma** Wheel. — Natashquan, Aug. (Brown)
**H. amplectens** Ald. — Hemmingford, June (Curran)
**H. browni** Curr. — Bonne Esperance, July (Brown)
**H. chrysologus** Walk. — St. Louis, Aug.; Montreal, Sept. (Ouellet)
**H. extrarius** Ald. — St. Johns, Aug. (Beaulieu)
**H. intentus** Ald. — Baie St. Paul, Aug. (Ouellet)
**H. nigribarbus** V. D. — Harrington Harbour, June (Brown)
**H. pirata** Lw. — Montreal, Sept. (Beaulieu): Chelsea, Sept. (Tothill)

**Scellus** Loew

**S. exustus** Walk. — Hull, July; Hemmingford, Aug. (Beaulne): Aylmer, Aug. (Curran): St. Eustache, Aug.; St. Remi, June—Sept.; St. Louis, Aug. (Ouellet): Covey Hill, June (Armstrong): Charlevoix Co., Aug. (Winn): Ottawa Dist., July (Germain)

**Liancalus** Loew

**L. genuale** Lw. — Sherbrooke, Sept. (Begin)

**Dolichopus** Latreille

**D. acuminatus** Lw. — Montreal, Sept.; St. Louis, Aug.; Joliette, July; (Ouellet): Hemmingford, June (Curran)
**D. adultus** V. D. — Oka, May (Ouellet)
**D. æqualis** V. D. — Megantic, June (Curran): Hemmingford, Aug. (Beaulne)
**D. ainsliei** V. D. — Hull, July (Beaulne)
**D. albiciliatus** Lw. — Montreal (Chagnon): Kazubazua, June (Brown)
**D. albicoxa** Ald. — Montreal, June; Rigaud, June (Beaulieu): Ottawa Dist. (Germain) Hull, June (Ouellet)
**D. apheles** Mel. & Br. — Hull, June (Curran)

**D. barbicauda** V. D. Hemmingford, June; Covey Hill, June; Hull, June (Curran)

**D. batillifer** Lw. Hemmingford, June (Petch): Joliette, July (Ouellet): Woburn, June; Hull, June—Aug. (Curran): Ottawa Dist., May (Germain): St. Prosper, June (Roy)

**D. bifractus** Lw. St. Johns, Sept.; Montreal, June (Chagnon): St. Remi, June—July; St. Louis, July—Aug. (Ouellet): Hemmingford, Sept. (Hammond): Covey Hill, July (Armstrong): Kazubazua, July (Walley): Rigaud, July (Beaulieu): Hull, July (Miss G. Beaulieu): Aylmer, Sept. (Curran): Ottawa Dist. (Germain): Levis, July (Roy)

**D. brevimanus** Lw. Montreal, July; Rigaud, June—July (Beaulieu): Ottawa Dist., (Germain)

**D. brevipennis** Meig. Bradore Bay, July—Aug. (Brown)

**D. bryanti** V. D. Natashquan, Aug. (Brown)

**D. burnesi** V. D. Covey Hill, June (Curran)

**D. calcaratus**. Ald. Montreal, July (Beaulieu): Covey Hill, June (Curran): Ottawa Dist. (Germain)

**D. canadensis** V. D., Hull, June (Curran): Roberval, July (Beaulieu) Natashquan, Aug. (Brown): Bradore Bay, July (Brown)

**D. chrysostoma** Lw. Covey Hill, June (Curran)

**D. coloradensis** Ald. Roberval, July (Beaulieu)

**D. comatus** Lw. Covey Hill, June; Woburn, June; Ste Cecile, June (Curran): Ottawa Dist., May—June (Germain)

**D. cuprinus** Wied. Montreal, July; Rigaud, June—July (Beaulieu): St. Eustache, Aug.; Joliette, July (Ouellet): Hemmingford, July (Baker): Covey Hill, June; Aylmer, Aug. (Curran): Sherbrooke, Aug. (Begin): Levis, June—July; St. Jean Port-Joli, July (Roy)

**D. dakotensis** Ald. Montreal, June; Rigaud, June (Beaulieu): Covey Hill, June; Megantic, June (Curran): Hull, June; Hemmingford, June (Ouellet)

**D. dasypodus** Coq. Bradore Bay, July; Natashquan, Aug. (Brown)

**D. deflectus** V. .D., Roberval, July (Beaulieu)

**D. detersus** Lw. Montreal, July; Rigaud, Aug. (Beaulieu): St. Louis, Aug. (Ouellet): Ft. Coulonge, Aug. (Beaulne)

**D. discifer** Stannin Montreal, June; Lauzon, July; Megantic Co. (Ouellet): Rigaud, Aug. (Beaulieu): Hull, June; Hemmingford, June (Curran): Aylmer, June (Viereck): Levis, July—Aug. (Roy)

**D. flagellitenens** Wheel. Montreal, June (Beaulieu): Aylmer, June (Hutchings): Hull, July (Curran)

**D. flavifacies** V. D. Harrington Harbour, July (Brown):

**D. fulvipes** Lw. Rigaud, July; Lauzon, June (Ouellet): Roberval, July (Beaulieu): Covey Hill, June; Hull, July (Curran): Levis, June—Aug. (Roy)

**D. genualis** V. D. Covey Hill, June (Curran): Natashquan, Aug. (Brown)

**D. gratus** Lw. Hemmingford, June (Ouellet): Covey Hill, July (Walley): Hull, June (Curran)

**D. harbecki** V. D. Covey Hill, June (Curran)

**D. incisuralis** Lw. Montreal (Chagnon): St. Eustache, Aug. (Ouellet): Roberval, July (Beaulieu): Hull, Aug. (Curran)

**D. indigena** V. D., Hull, July (Beaulne)

**D. laticornis** Lw. Montreal, July (Beaulieu): Joliette, July (Ouellet): Hull, June (Curran)

**D. latipes** Lw. Montreal, Aug.; Roberval, July (Beaulieu): Hull, Aug.—Sept.; Aylmer, Aug, (Curran): St. Louis, Aug. (Ouellet)

**D. lobatus** Lw. Montreal, July (Beaulieu): Ottawa Dist., July—Aug. (Germain): Hull, June; Hemmingford, June (Ouellet): Sherbrooke, June (Begin): Levis, July (Roy): St. Jean Port-Joli, July (Roy)

**D. longimanus** Lw. Hemmingford, June (Curran): Aylmer, June (Hutchings): Meach Lake, June (Gibson): Natashquan, Aug. (Brown):

**D. longipennis** Lw. Hemmingford, June (Curran)

**D. luteipennis** Lw. Aylmer, July—Aug.; Hull, Aug. (Curran)

**D. melanocerus** Lw. Roberval, July (Beaulieu): Natashquan, Aug. (Brown) Bradore Bay, July (Brown):

**D. nodipennis** V. D. Hull, June (Curran); Oka, May (Ouellet)

**D. ovatus** Lw. Montreal, July; Rigaud, July (Beaulieu): St. Eustache, Aug.; St. Louis, Aug. (Ouellet): Hemmingford, June; Hull, June (Curran)

**D. pachycnemus** Lw. Montreal, June (Ouellet): Hemmingford, June (Beaulne): Covey Hill, June; Hull, July (Curran)

**D. palæstricus** Lw. — Montreal, July (Beaulieu): St. Hilaire, June (Ouellet): Ottawa Dist. (Germain): Meach Lake, June (Gibson): Covey Hill, June; Hemmingford, June (Curran): Kazubazua, June (Ide)

**D. penicillatus** V. D. — Covey Hill, July (Walley): Montreal Is., July (Beaulieu): St. Prosper, June (Roy)

**D. pilatus** V. D. — Hull, June (Curran)

**D. plumipes** Scop. — Levis, June—Aug. (Roy): Quebec (Fyles): Bradore Bay, July; Natashquan, Aug. (Brown)

**D. porphyrops** V. D. — Hull, June; Aylmer, Aug. (Curran): Roberval, July (Beaulieu)

**D. pugil** Lw. — Natashquan, Aug. (Brown)

**D. ramifer** Lw. — St. Johns, Sept. (Chagnon): St. Louis, Aug. (Ouellet): Hemmingford, June—July (Curran & Baker)

**D. reflectus** Lw. — Ft. Coulonge, June—July (Beaulne)

**D. remipes** Wahl. — Hemmingford, June; Covey Hill, June (Curran)

**D. renidescens** Mel. & Br. — Natashquan, Aug. (Brown)

**D. scoparius** Lw. — Montreal, June (Chagnon): Joliette, July; Berthier, June; Covey Hill, June; Lauzon, June; Hemmingford, June (Ouellet): Megantic June; Hull, July (Curran): Levis, July; St. Jean Port-Joli, July (Roy)

**D. setifer** Lw. — Montreal, July; Rigaud, Aug. (Beaulieu): Hemmingford, June (Ouellet): Hull, June; Megantic, June; Woburn, June, Covey Hill, June (Curran)

**D. sicarius** V. D. — Hemmingford, June; Hull, July (Curran)

**D. sincerus** Mel. — Aylmer, June (Hutchings)

**D. slossonæ** V. D. — Roberval, July (Beaulieu)

**D. socius** Lw. — Montreal, July; Rigaud, Aug. (Beaulieu): Oka, May (Ouellet): Woburn, June; Covey Hill, June; Hull, June (Curran): Levis, July, St. Jean Port-Joli, July—Aug. (Roy)

**D. socius** var. **gladius** V. D. — Hull, June; Aylmer, Aug. (Curran): Roberval, July (Beaulieu): Levis, July; St. Jean Port-Joli, July—Aug. (Roy)

**D. sorotes** Lw. — Hemmingford, June (Curran)

**D. splendidulus** Lw. — Megantic, June; Hull, July; Woburn, July (Curran): Kazubazua, June; Bradore Bay, July (Brown): Sherbrooke, June (Begin): Levis, July; St. Jean Port-Joli, July (Roy)

**D. stenhammeri** Zett. — Bonne Esperance, July; Mutton Bay, July; Mekattina Sanctuary, July; Little Mekattina Is., July (Brown)

**D. terminalis** Lw. — Hull, July (McDunnough): Aylmer, Aug. (Curran)

**D. trisetosus** V. D., — Covey Hill, June; Megantic, June (Curran)

**D. variabilis** Lw. — Montreal, Sept. (Ouellet): St. Johns, Sept. (Chagnon): Chicoutimi, July; Rigaud, July (Beaulieu): Aylmer, Aug. (Miss. G. Beaulieu): Ft. Coulonge, July (Beaulne): Natashquan, Aug. (Brown)

**D. versutus** V. D., — Hull, June (Curran): Lanoraie, June (Beaulieu)

**D. virga** Coq. — Covey Hill, June (Curran)

**D. vittatus** Lw. — St. Johns, Sept.; Montreal, June (Chagnon): Hull, July (Beaulne): Ottawa Dist., June—July (Germain)

**D. wheeleri** Mel. & Br. — Covey Hill, June (Curran): Maniwaki, June (Gibson)

### **Gymnopternus** Loew

**G. barbatulus** Lw. — Montreal, July; Rigaud, June (Beaulieu): Megantic (Ouellet): Hemmingford, June; Hull, July (Curran)

**G. chalcochrus** Lw. — Covey Hill, June; Hull, June (Curran)

**G. crassicauda** Lw. — Montreal, July; Rigaud, July (Beaulieu): St. Eustache, Aug.; Joliette, July; Berthier, June (Ouellet): Hull, July (Beaulne)

**G. despicatus** Lw. — Montreal, July (Chagnon): Rigaud, July (Beaulieu)

**G. difficilis** Lw. — Montreal, July; Rigaud, July (Beaulieu)

**G. exilis** Lw. — Hemmingford, July (Petch)

**G. fimbriatus** Lw. — Hemmingford, June (Curran)

**G. frequens** Lw. — Montreal, June (Ouellet): Covey Hill, June (Curran)

**G. humeralis** Lw. — Montreal, June (Ouellet)

**G. humilis** Lw. — Joliette, July; Montreal, June; Berthier, June (Ouellet): Aylmer, June; Hull, June (Curran): Oka, May (Ouellet)

**G. lividifrons** V. D. — Hull, June (Walley)

**G. lunifer** Lw. — Hull, June (Curran)

**G. nigricoxa** V. D. — Joliette

**G. ornatipes** V. D. — Hull, July (Curran)
**G. phyllophorus** Lw. — Hull, June; Covey Hill, June (Curran)
**G. subdilatatus** Lw. — Aylmer, June (Curran)
**G. subulatus** Lw. — Montreal, July (Beaulieu): Aylmer, Aug. (Curran)
**G. tristis** Lw. — Hull, June (Curran): Joliette, July (Ouellet)
**G. ventralis** Lw. — Montreal, July; Gatineau, July, Rigaud, July (Beaulieu): Hemmingford, June; Hull, Aug. (Curran): Berthier, June (Ouellet)

**Hercostomus** Loew

**H. ornatus** V. D. — Hull, July (Curran)
**H. unicolor** Lw. — Aylmer, May (Curran)

**Tachytrechus** Loew

**T. binodatus** Lw. — Oka, May (Ouellet): Hemmingford, June; Covey Hill, June; Hull, Aug. (Curran)
**T. mœchus** Lw. — Montreal (Beaulieu): Joliette, July (Ouellet): Hemmingford, June—July (Curran)
**T. vorax** Lw. — Hemmingford (Ouellet); June (Curran)

**Pelastoneurus** Loew

**P. lætus** Lw. — St. Louis, Aug. (Ouellet)
**P. nudus** V. D. — Berthier, June; Hull, June (Ouellet)
**P. ramosus** V. D. — Hull, June—Sept. (Curran)
**P. vagans** Lw. — Montreal, July; Rigaud, July (Beaulieu): St. Louis, Aug.; Terrebonne, Aug.; St. Remi, June; Joliette, July (Ouellet): Hull, Sept.; Hemmingford, June (Curran)

## LONCHOPTERIDÆ

**Lonchoptera** Meigen

**L. furcata** Fall. — Rigaud, Aug.; Montreal, Aug.—Oct. (Beaulieu): St. Johns Co., Sept. (Chagnon): St. Remi, June; St. Louis, Aug. (Ouellet): Sherbrooke, Nov. (Begin)

Suborder **Cyclorrhapha**

## THE ASCHIZA

## SYRPHIDAE

**Microdon** Meigen

**M. cothurnatus** Bigot — Megantic, June (Curran): Kazubazua, June (Ide)
**M. globosus** Fab. — St. Johns, July—Sept, (Chagnon): Montreal; St. Martin, June (Beaulieu): Covey Hill, June, (Brown): Three Rivers, June (Germain): Joliette, July (Ouellet): Levis, June (Roy)
**M. hutchingsi** Curr. — Aylmer, July—Aug. (Hutchings)
**M. manitobensis** Curr. — Aylmer; Megantic, June (Curran): Covey Hill, June (Brown)
**M. tristis** Lw. — St. Johns, July (Chagnon): Montreal, July (Beaulieu): Megantic, June; Aylmer, June (Curran): Covey Hill, June; Kazubazua, June (Brown): Ironside, July (Stohr): Levis, June (Roy)

**Chrysotoxu** Meigen

**C. derivatum** Walk. — Levis (Fyles)
**C. fasciolatum** De G. — Levis (Fyles): Newaygo, June (Germain): Megantic, June (Curran): Seven Is., June (Waugh): Aylmer, July (Hutchings): Lac La Peche, June (Dunn):
**C. minor** Curr. — Anticosti, Is., Aug. (Johannsen)
**C. perplexum** Johns. — Aylmer, July (Graham)

**C. pubescens** Lw. (**luteopilosus** Curr.) Hemmingford, Aug. (Hammond)
**C. ventricosum** Lw. Boynton, Aug. (W. D. Shaw)

**Chrysogaster** Meigen

**C. bellula** Will. Lauzon, June (Ouellet)
**C. nigripes** Lw. Rigaud, May (Chagnon): Lauzon, June (Ouellet): Sherbrooke, May (Begin)
**C. pictipennis** Lw. Montreal, June; Rigaud, May; St. Johns, July, (Beaulieu): Ottawa Dist., May—July (Germain): Hull, May (Curran): Terrebonne, St. Louis, Rawdon, Aug. (Ouellet).
**C. pulchella** Will. Montreal, May—June (Chagnon): Rigaud, June (Beaulieu): Ottawa Dist., July (Germain): Joliette, July; Terrebonne, Aug.; Lauzon, June (Ouellet): Hull, May—June; Megantic, Covey Hill, June (Curran): Sherbrooke, May (Begin): Levis, June (Roy)

**Pipiza** Fallen

**P. femoralis** Lw. Montreal, Rigaud, May—June (Chagnon): Gatineau, (Beaulieu): Hull, May; Woburn, June (Curran): Three Rivers, July; Ottawa Dist., May (Germain): Sherbrooke, March (Begin): Levis, June (Roy).
**P. femoralis, var. albipilosa** Will. Rigaud, July (Beaulieu): Hull, May—June (Curran): Shawbridge, Aug. (Winn): St. Hilaire, May (Chagnon): Ottawa Dist., May—July (Germain)
**P. nigripilosa** Will. Sherbrooke, May; St. Johns Co., July (Chagnon): St. Hilaire, May; Rigaud, July (Beaulieu): Megantic, June (Curran).
**P. puella** Will. Montreal, May (Ouellet): Chelsea, May (Ozburn).
**P. quadrimaculata** Panz. Hull, May (Curran): Montfort, June (Chagnon).
**P. tricolor** Curr. Hull, May (Curran)

**Pipizella** Rondani

**P. apisaon** Walk. (**modesta** Lw.—**P. pulchella** Will.) St. Johns Co., June—July (Chagnon): Rigaud, June (Beaulieu): Oka, May (Ouellet): Ottawa Dist., May—July (Germain): Levis, June (Roy).
**P. recedens** Walk. St. Remi, June (Ouellet).

**Heringia** Rondani

**H. canadensis** Curr. Ft. Coulonge, July (Beaulne)
**H. salax** Lw. (**Pipiza radicum** Walsh & Riley—**Pipiza pistica** Will.) Montreal (Chagnon): Sherbrooke, Sept. (Begin): Ottawa Dist., July (Germain): St. Placide, July (Chagnon):

**Cnemodon** Egger

**C. albipilosa** Will. Montreal, May (Ouellet)
**C. calcarata** Lw. Montreal, June (Beaulieu): St. Johns Co., July (Chagnon)
**C. elongata** Curr. Hull, May (Curran)
**C. festiva** Meig. Montreal, May—June (Ouellet)
**C. intermedia** Curr. St. Placide, July (Chagnon)
**C. pisticoides** Will. Hull, May (Curran): Montreal, May –June (Ouellet): St. Johns Co., July (Chagnon)
**C. squamulæ** Curr. Hull, May (Curran)

**Paragus** Latreille

**P. bicolor** Fab. St. Johns, Rigaud, June—July; Montreal, July—Aug. (Chagnon): Gatineau, July (Beaulieu): St. Remi, May (Ouellet): Ottawa Dist., May (Germain): Levis, June (Roy)
**P. tibialis** Fall. Fairy Lake, May (Ozburn): Terrebonne, Sept.; St. Hilaire, June; St. Remi, July (Ouellet): Ottawa Dist., May—July (Germain—: Kazubazua, Aug. (Sladen): Hull, July (Beaulne): Montreal, (Chagnon)

**Cheilosia** Meigen

**C. browni** Curr. — Old Fort. Is., July; Bonne Esperance, July (Brown)
**C. comosa** Lw. — St. Johns Co., June (Beaulieu)
**C. occidentalis** Will. — Sherbrooke, May (Begin): Levis, June (Roy)
**C. orilliaensis** Curr. — Megantic, June; Hull, May (Curran)

**Cartosyrphus** Bigot

**C. cyanescens** Lw. — Montreal, June (Chagnon)
**C. pallipes** Lw. — Montreal, Newaygo, June; Montfort, July (Chagnon): Gatineau, July (Beaulieu): Megantic, Maniwaki, Covey Hill, June (Curran).
**C. rita** Curr. — Megantic, Woburn, June (Curran): Aylmer, May, (Ozburn)
**C. similis** Shann. — Prov. Quebec (Ouellet): Ft. Coulonge, July (Beaulne)
**C. slossonæ** Shann. — (**ontario** Curr.) Aylmer, May (Curran)

**Ferdinandea** Rondani
(**Chrysochlamys** Rondani)

**F. dives** O. S. — Montreal (Caulfield)

**Baccha** Fabricius

**B. fascipennis** Wied. — Montreal, June; Jesus Is. Aug. (Beaulieu): Hull (Harrington): St. Louis, Aug. (Ouellet): Aylmer, Aug. (Hutchings): St. Johns Co., July, (Chagnon)
**B. obscuricornis** Lw. — (**cognata** Lw.) Hull, May (Curran): Aylmer, Aug. (Graham): St. Johns Co., June; Montreal, July (Chagnon): Ottawa Dist., June (Germain)

**Pyrophæna** Schiner

**P. granditarsus** Forst. — (**Ocymi** Fab.) Montreal, Aug. (Chagnon): Hull, (Letourneau): Shawbridge, Aug. (Winn): St. Louis, Aug. (Ouellet): Hemmingford, June (Curran): Ottawa Dist., May—June (Germain): Levis, Aug. (Roy).
**P. rosarum** Fab. — Lavaltrie, May (Ouellet): Ottawa Dist., June (Germain)

**Platycheirus** St. Fargeau et Serville

**P. angustatus** Zett. — St. Johns Co., Aug. (Chagnon)
**P. scambus** Staeg. — (**chætopodus** Will.) Montreal, (Beaulieu): Woburn, June (Curran): Sherbrooke, Aug. (Begin): Ottawa Dist., May (Germain)
**P. discimanus** Lw. — Hull, May (Curran): Aylmer, May (Ouellet):
**P. erraticus** Curr. — (**hyperboreus** Staeg.) Montreal (Beaulieu): Newaygo, June; St. Johns Co., June (Chagnon): Hemmingford, Aug. (Beaulne): Ottawa Dist., May—July (Germain): Sherbrooke, May (Begin): Levis, June (Roy): St. Placide, July (Chagnon)
**P. felix** Curr. — Bonne Esperance, July; Tabatiere, July; Net Island, July; Bradore Bay, July; Harrington Harbour, June (Brown)
**P. femineum** Curr. — Tabatiere, July; Harrington Harbour, July (Brown)
**P. immarginatus** Zett. — Hemmingford, June (Curran): St. Placide, July (Chagnon)
**P. inversus** Ide — Hull, May (Harrington)
**P. modestus** Ide — Megantic, June (Curran): Kazubazua, June (Ide & Brown): St. Placide, July (Chagnon)
**P. naso** Walk. — Sherbrooke, Aug. (Begin)
**P. peltatus** Meig. — Sherbrooke, May—June; Rigaud, June; Newaygo, June; Montfort, July (Chagnon): Montreal, June (Beaulieu): Megantic, June; Covey Hill, June (Curran): Aylmer, June (Viereck); Ottawa Dist., May (Germain)
**P. perpallidus** Verr. — Berthier; St. Louis (Ouellet)
**P. quadratus** Say — Montmorency, July (Fyles): St. Johns; Montreal, Sept. (Chagnon): Gatineau, July; Rigaud, Aug. (Beaulieu): Megantic, June; Hemmingford, June; Hull, June (Curran): Berthier, June; St. Louis, Aug.; St. Eustache, Aug. (Ouellet): Ottawa Dist., June—July, (Germain): Levis, June (Roy)

### **Melanostoma** Schiner

**M. agens** Curr. — Harrington Harbour, July; Old Fort Is. July (Brown)
**M. cœrulescens** Will. — Sherbrooke, May (Begin) (doubtful record)
**M. confusa** Curr. — Moutreal, June (Ouellet): Hemmingford, July (Armstrong): Aylmer, May; Hull, May (Curran): Montfort, July (Chagnon)
**M. obscurum** Say — Montreal, May; Rigaud, May—Aug.; Montfort, July (Chagnon): Shawbridge, Aug.; Brome Co., July (Winn): Aylmer, May; Hull, May (Curran): Ottawa Dist., May—June (Germain): Levis, June (Roy)
**M. pallipes?** — St. Placide, July (Chagnon)
**M. pictipes** Bigot — (**mellinum**) Linn.) St. Johns, Sept.; Montfort, July (Chagnon): Montreal, June (Beaulieu): St. Louis, Aug.; Joliette, July; St. Eustache, Aug.; St. Remi, June (Ouellet): Lanoraie, June—July (Petch): Ottawa Dist., May—July (Germain): Hull, May (Curran St. Placide, July (Chagnon)

### **Leucozona** Schiner

**L. lucorum** Linn. — Levis, June (Roy): Ironside, June (Stohr)
**L. lucorum var. americana** Curr. Hull, June (Harrington)

### **Didea** Macquart

**D. alneti** Fall. — Megantic, June (Curran)
**D. fuscipes** Lw. — Montreal, Sept. (Winn): Hull, May (Curran)

### **Syrphus** Fabricius

**S. amalopis** O. S. — Montreal, May (Ouellet): Sherbrooke, May—June; Montfort, June July; Newaygo, June (Chagnon): Shawbridge, July (Winn)
**S. bigelowi** Curr. — Megantic, June; Hull, May (Curran)
**S. curtus** Hine — Montreal Is. May (Beaulieu)
**S. disgregus** Snow — Aylmer, May (Miss G. Beaulieu)
**S. divisus** Will. (**disjectus** Will). Aylmer, Aug.—Sept. (Hutchings): Megantic, June (Curran): Ft. Coulonge, July (Beaulne): Rigaud, July (Ouellet): Bondville Aug. (Winn)
**S. emarginatus** Say — Montreal, July (Beaulieu): Sherbrooke, May (Begin)
**S. geniculatus** Macq. — Montreal, May (Ouellet): Ottawa Dist., May (Germain)
**S. insolitus** Osburn — Three -River, May (Germain)
**S. intrudens** O. S. — Kazubazua, June (Ide): Aylmer, May (Miss Beaulieu)
**S. knabi** Shann. — Covey Hill, June (Curran): Rigaud, Aug. (Beaulieu)
**S. lapponicus** Zett. — Hull, May (Curran): Levis, May (Roy): Mutton Bay, July (Brown): probably including **S. arcuatus** Fall.)
**S. laticaudus** Curr. — Hull, May—June (Curran)
**S. latifasciatus** Macq. (**abbreviatus** Zett.) Montreal, Aug.—Sept. (Chagnon)
**S. laxa** O. S. — Montreal, Sept. (Ouellet): Levis (Fyles): Kazubazua, June (Ide): Aylmer, Sept. (Curran)
**S. laxa, var. syrphoidea** Hull — Hull, June (Curran)
**S. nitidicollis** Meig. — Aylmer, May (Curran)
**S. pauxillus** Will. — Varenne, July (Lyman)
**S. pauxilloides** Curr. — Hull, May (Curran)
**S. perplexus** Osburn — Montreal, Aug. (Beaulieu): Hull, June; Aylmer, May (Curran): Kazubazua, June (Ide): Ottawa dist., May—July (Germain): Rawdon, Aug. (Ouellet)
**S. pomus** Curr. — Montreal (Ouellet)
**S. rectus** O. S. — Montreal, Aug. (Beaulieu): Hull, May (Curran): Aylmer, May (Ozburn): Hemmingford, June (Baker): St. Johns Co., July (Chagnon)
**S. ribesii** Linn. — Levis (Fyles): May—June (Roy): St. Johns (Chagnon): Montreal (Caulfield): June—Sept. (Ouellet): Coaticook, Aug. (Beaulne): Covey-Hill, July; Hemmingford, June (Curran): L'Achigan, Aug.; Shawbridge, July—Aug. (Winn): Ottawa Dist., June (Germain)
**S. vittifrons** Shann. — Aylmer, Aug. (Hutchings): Hull, Megantic, June (Curran)

**S. scambus** Staeg. — St. Johns Co., Aug. (Chagnon): St. Louis, Aug. (Ouellet): Montreal, June; Shawbridge, July (Winn).

**S. torvus** O. S. — Montreal, June (Beaulieu): Rigaud, May; Montfort, June; St. Johns, May—Aug. (Chagnon): Aylmer, Aug. (Beaulne): Hemmingford, June (Baker): Fairy Lake, May (Ozburn): Hull, June (Curran): St. Hilaire, May (Sheppard): Shawbridge, July (Winn): St. Louis, Aug. (Ouellet).

**S. venustus** Meig. — Megantic, June; Hull, May (Curran): Kazubazua, June (Brown)

**S. vitripennis** Meig. — Hull, May—June (Curran): Rigaud, Aug. (Beaulieu)

**S. wiedemanni** Johns. (**americanus** Wied.) — Montmorency, (Fyles): St. Johns, Montreal, June—July (Chagnon): Levis (Fyles); May (Roy): Ottawa Dist., June—July (Germain).

**Epistrophe** Walker

(**Stenosyrphus** Matsumura)

**E. cinctellus** Zett. — Megantic, June (Curran)

**E. cinctus** Fall. — Hull, Aylmer, May (Curran)

**E. diversipes** Macq. — Montreal, June (Beaulieu): Rigaud, May (Chagnon)

**E. fisherii** Walt. — Montreal (Ouellet)

**E. genualis** Will. — Woburn, June; Megantic, June; Hull, Aylmer, May (Curran)

**E. grossulariæ** Meig. — St. Hilaire, May; Vaudreuil Co.; St. Johns Co., Aug. (Chagnon): Montreal, June—Aug. (Beaulieu): Shawbridge, Aug. (Winn): Levis, June (Roy): Covey Hill, Aug. (Petch): Aylmer, Aug. (Graham): Wakefield, July (Ide).

**E. imperialis** Curr. — Abitibi region, Sept. (Cook)

**E. invigoris** Curr. — Hull, May; Aylmer, May—June; Megantic, June (Curran)

**E. mentalis** Will. — Montreal, May (Ouellet): Hull, May (Curran)

**E. submarginalis** Curr. — Aylmer, May (Curran)

**E. umbellatorum** Sch. — Sherbrooke, May (Begin): Montreal, June (Beaulieu): Ottawa Dist., May (Germain): Newaygo, June (Chagnon) Levis, May (Roy)

**E. xanthostomus** Will. — Levis, June (Fyles): Coaticook, Aug. (Beaulne): Montreal, June (Ouellet): St. Hilaire, May; Shawbridge, Aug.; Newaygo, June (Winn): Hull, June; Aylmer, June (Curran)

**Xanthogramma** Schiner

**X. flavipes** Lw. — St. Johns Co., July (Germain): St-Louis, Aug. (Ouellet): Aylmer, July (Hutchings): Montreal, Aug. (Chagnon)

**Doros** Meigen

**D. æqualis** Lw. — Aylmer, June (Viereck): Kazubazua, June (Ide): Orford, June (Winn)

**Allograpta** Osten Sacken

**A. obliqua** Say — Montreal, July; Rigaud, Aug. (Beaulieu): Ottawa Dist., May (Germain)

**Toxomerus** Macquart

**T. geminatus** Say — Montreal (Chagnon): Hull, June; Aylmer, June (Beaulne): Rigaud, Aug. (Beaulieu)

**Mesogramma** Loew

**M. boscii** Macq. — Montreal (Chagnon)

**M. marginatus** Say — Montreal (Chagnon): Hull, July; Aylmer, July (Beaulne): Hemmingford, July (Petch): Rougemont, Aug. (Hammond): Joliette, July; Terrebonne, Aug.; St. Louis, Aug. (Ouellet): Sherbrooke, Oct. (Begin)

**M. politus** Say — St. Johns, Sept. (Chagnon)

**Sphaerophoria** St. Fargeau et Serville

**S. cylindrica** Say — Montreal, June—Oct.; Joliette, Lanoraie, July (Ouellet): St. Johns Co.; Montfort, Vaudreuil, June (Chagnon): Levis (Fyles); June (Roy): Bondville, Shawbridge, June—Aug. (Winn): Covey Hill, July (Petch): Ottawa Dist., June—July (Germain): Sherbrooke, Sept. (Begin)

**S. menthastri** Linn. — Montreal, June (Ouellet)

**S. novæangliæ** Johns. — Aylmer, June (Curran): Ft. Coulonge, July (Beaulne).

**S. robusta** Curr. — Ft. Coulonge, July—Aug.; Hemmingford, Aug. (Beaulne): Hull, July (Miss Beaulieu): Rigaud, Aug. (Beaulieu): Wakefield, July; Kingsmere, May (Hewitt): Montreal, Aug. (Beaulieu): Aylmer, June (Beaulne): Ottawa Dist., Apr.-May (Germain)

**Sphegina** Meigen

**S. campanulata** Robt. — Joliette, July (Ouellet)

**K. keeniana** Will. — Sherbrooke, May—June (Beaulieu)

**S. lobata** Lw. — Levis (Roy): Three-Rivers, July (Germain): Montfort, July (Chagnon)

**S. rufiventris** Lw. — Quebec (Fyles): Montreal (Chagnon): Joliette, July (Ouellet): Sherbrooke, June (Begin): Levis, June (Roy): Megantic, June (Curran): Gaspé, (Aldrich).

**Neoascia** Williston

**N. distincta** Will. — Hull, May (Curran): Ottawa Dist., May (Germain)

**N. globosa** Walk. — Sherbrooke, May (Begin): Montreal, July (Beaulieu): St. Louis, Aug.; Oka, May (Ouellet): Ottawa Dist., May (Germain)

**N. albipes** Bigot — Ottawa Dist., Aug. (Germain)

**N. subchalybea** Curr. — Montreal, May (Beaulieu)

**Rhingia** Scopoli

**R. nasica** Say — Quebec (Fyles): Montreal (Caulfield); May—July (Ouellet): Hemmingford, July—Aug. (Hammond): Fairy Lake, June (Ozburn): Megantic, June: Hull, May (Curran): Covey Hill, June—Aug. (Petch): Aylmer, Aug. (Curran & Graham): Brome Co., July—Aug. (Winn): St. Johns Co... Aug., Newaygo, June, (Chagnon) Ottawa Dist., May (Germain): Levis, June (Roy).

**Hammerschmidtia** Schummel

**H. ferruginea** Fall. — Hull, June; Aylmer, May (Curran): Kazubazua, June (Brown: Newaygo, June (Germain): Rigaud, July (Ouellet): Ironside, May (Stohr): Sherbrooke, March (Begin) Megantic, June (Curran).

**Brachyopa** Meigen

**B. diversa** Johns. — Hull, May (Curran)

**B. media** Will. — Rouville Co., May (Chagnon)

**B. notata** O. S. — Aylmer, May (Curran): Sherbrooke, May (Begin)

**Volucella** Geoffroy

**V. bombylans, var. evecta** Walk. Montreal, St. Hilaire, June (Ouellet): Covey Hill, June (Petch): Shawbridge, June—Sept. (Winn): Hemmingford, June (Curran): Ottawa Dist., July (Germain): Levis, June (Roy).

**V. bombylans, var. americana** Johns. Montreal, July (Beaulieu): St. Johns, July—Aug. (Chagnon): Covey Hill, June (Petch): Aylmer, July (Hutchings): Chelsea, July (Groh): Lanoraie, June (Beaulne): Kazubazua, (July Brown): Hemmingford, June (Curran).

**V. bombylans, var. sanguinea** Will. Levis, (Fyles): Montreal, St. Johns, June (Chagnon): Rosemere, July (Winn): Gatineau, July (Beaulieu)

**V. bombylans, var. plumata** DeG. Megantic, June (Curran).

**Condidea** Coquillett

**C. lata,** Curr. — Covey Hill, June (Walley): Megantic, June (Curran)

**Sericomyia** Meigen

**S. bifasciata** Will. — Lake Edward, Lac La Peche, June (Dunn)

**S. chrysotoxoides** Macq. — Montreal (Chagnon): Sept—Oct. (Ouellet): Aylmer, Sept.; Megantic, Woburn, June (Curran): Kazubazua, June (Ide): Covey Hill, June (Brown & Walley): Knowlton, July (Walley): Newaygo, June; Montfort, July (Chagnon): Shawbridge, Sept. (Winn): Rawdon, Aug. (Ouellet): Levis, June (Roy).

**S. militaris** Walk. — Levis, June (Fyles): Montreal, Sept—Oct.; Newaygo, June (Chagnon): Rosemere, Sept.; Shawbridge, Brome Co., July—Aug. (Winn): Hull, July (Beaulne): Hemmingford, Sept. (Armstrong): Kazubazua, June—Aug. (Brown & Ide): Abitibi region, Aug. (Cook): Covey Hill, June (Brown & Walley): Megantic, June; Aylmer, Sept.—Oct. (Curran): Ottawa Dist., Aug. (Germain): Rawdon, Aug. (Ouellet)

**Eristalis** Latreille

**E. arbustorum** Linn. — Montreal, June—Oct.; St. Eustache, Aug.; Rawdon, Aug.; Joliette, July; St. Louis, Aug. (Ouellet): Hull, June—Aug. (Curran): Laprairie, July (Walley): Chelsea, May (Ozburn): Covey Hill, Aug. (Petch): Charlevoix Co., Aug.; Shawbridge, July—Sept.; Brome Co., Bondville, July—Aug. (Winn): St. Johns Co., May—Aug. (Chagnon): Aylmer, June; Hemmingford, Aug. (Beaulne): Ottawa Dist., May; Three-Rivers, Aug. (Germain): Quebec, St. Hilaire, (?).

**E. bastardi** Macq. — Montreal, St. Johns, June—Sept. (Chagnon): Gatineau, July (Beaulieu): Hemmingford, Aug. (Maltais): Ottawa Dist., June; Three-Rivers, July (Germain): St. Louis, Rawdon, Aug. (Ouellet): Bondville, July (Winn): Levis (Fyles): June (Roy): Hull, July (Miss Beaulieu): Aylmer, Sept. (Curran): Sherbrooke, May (Begin)

**E. brousi** Will. — Montreal, St. Johns, Aug.—Sept. (Chagnon): Hull, Aug. (Beaulieu): Hemmingford, July—Aug. (Beaulne): St. Louis, Aug. (Ouellet): Ottawa Dist., May—July, (Germain): Sherbrooke, May (Begin): Levis, June (Roy).

**E. compactus** Walk. — Aylmer, May (Curran): Covey Hill, June (Walley):

**E. dimidiatus** Wied. — Quebec (Fyles): St. Hilaire, St. Johns, Aug.—Sept. (Chagnon): Montreal, Sept.; Tadousac, Shawbridge, Aug. (Winn): Gatineau, July (Beaulieu): Hull, Aylmer, May (Curran): Hemmingford, July (Hammond): Knowlton, July (Walley): Kazubazua, Aug. (Ide): Covey Hill, July (Petch): Rawdon, Aug. (Ouellet): Levis, June (Roy): Lake Island, June (Brown).

**E. flavipes** Walk. — Montreal, Aug. (Chagnon): Gatineau, July (Beaulieu): Covey Hill, Aug. (Petch): Hemmingford, June: Ft. Coulonge, Aug. (Beaulne): Ottawa Dist., Three Rivers, July (Germain): Lake Edward, June (Dunn): Woburn, June; Aylmer, Oct. (Curran): St. Louis, Aug. (Ouellet): Levis (Fyles); May—Aug. (Roy): Bondville, July (Winn).

**E. inornatus** Lw. — Sherbrooke, Nov. (Begin).

**E. nemorum** Linn. — Montreal, Sept. (Beaulieu): Megantic, June (Curran)

**E. tenax** Linn. — "The Rat-tailed Maggot" Montreal, Aug.-Sept.; St. Johns, Sept. (Chagnon): Ottawa Dist., Aug. (Beaulieu): Hull, July (Beaulne): Hemmingford, Covey Hill, July—Aug. (Petch): Shawbridge, July—Sept.; Brome Co., Aug. (Winn): Joliette, July; St. Remi, Sept.; St. Louis, Rawdon, Aug. (Ouellet): Levis (Fyles); July (Roy): Sherbrooke, Apr. (Begin): Lake Island, June (Brown): St. Laurent, Aug. (Maltais).

**E. transversus** Wied. — Quebec (Fyles): St. Johns, Montreal, July—Sept. (Chagnon): Rigaud, May; Gatineau, July (Beaulieu): Aylmer, May (Beaulne): Hemmingford, June—Aug. (Armstrong): Rawdon, Aug. (Ouellet): Shawbridge, Aug.; Brome Co., Bondville, July—Aug. (Winn):

St. Therese, June (Lyman): Covey Hill, July (Petch): Woburn, June (Curran): Levis, June (Roy).

**Tropidia** Meigen

**T. quadrata** Say — Montreal, June—July; St. Johns Co., Aug. (Chagnon): Rigaud, June (Beaulieu): Hemmingford, June: Aylmer, Sept. (Curran): St. Hilaire, July (Winn): St. Louis, Aug. (Ouellet).

**Helophilus** Meigen

**H. borealis** Staeg. — Seven Islands, July (Waugh)

**H. fasciatus** Walk. — Shawbridge, July—Aug.; Cartierville, June (Winn): Levis (Fyles): Hull, July (Curran): Montreal, Aug.—Oct. (Beaulieu): Hemmingford, June (Hammond): Rigaud, July; Joliette, July (Ouellet): Ottawa Dist., May (Germain): Levis, June (Roy)

**H. latifrons** Lw. — Montreal, Sept.; Chambly (Chagnon): Gatineau, July (Beaulieu): Hull, July; Aylmer, June (Beaulne): Hemmingford, June (Hammond): St. Remi, May; St. Eustache, Aug.; St. Louis, Aug. (Ouellet); Levis, June (Roy): Ottawa Dist., July (Germain): Brome Co., July (Winn)

**H. obscurus** Lw. — Covey Hill, June (Walley)

**Lejops** Rondani

**L. bilinearis** Will. — Hull, May (Curran)

**L. hamatus** Lw. — St. Louis, Aug. (Ouellet)

**L. perfidiosus** Hunter — Ironside, May (Stohr)

**L. stipatus** Walk. — Levis, June—July (Roy): Rigaud (Desrochers): Ottawa Dist., May (Germain): Hull, June—July (Curran): St. Placide, June (Chagnon)

**Girschner**

**P. integer** Lw. — Montreal (Beaulieu): Ottawa Dist., May—June (Germain)

**P. laetus** Lw. — Montreal, June; St. Louis, June (Ouellet): Covey Hill, June (Curran): Laprairie, June (Brown)

**P. porcus** Walk. — Montreal, June (Chagnon): Gatineau, July (Beaulieu): Ottawa Dist., (Germain)

**Mallota** Meigen

**M. cimbiciformis** Fall. — Montreal, July (Chagnon): Hemmingford, June; Covey Hill, July (Petch)

**M. posticata** Fab. — Montreal, June (Chagnon): Hemmingford, July (Hammond): St. Louis, Aug.; Joliette, July; Lauzon, July (Ouellet): Levis (Fyles): Brome Co., June (Winn): Ottawa Dist., May (Germain): Aylmer, June (Curran): Covey Hill, June (Walley)

**Merodon** Meigen

**M. equestris** Fab. — Montreal, July (Chagnon)

**Polydontomyia** Williston

(**Triodonta** Williston)

**P. curvipes** Wied. — Seven Islands, July—Aug. (Waugh): Anticosti Is. July; Amherst, July (Johannsen): Quebec (Roy)

**Teuchocnemis** Osten Sacken

**T. lituratus** Lw. — Rigaud (Desrochers)

**Syritta** St. Fargeau et Serville

**S. pipiens** Linn. — Coaticook, Sept. (Beaulne): Aylmer, Sept. (Curran): Hull, Aug. (Hewitt): Montreal, Aug.; Rigaud, June (Beaulieu): Hemmingford, July (Hammond): Levis, June (Roy): Lachine, June (Petch): St. Louis, Aug.; St. Remi, June; Joliette, July; Rawdon, Aug. (Ouellet): Shawbridge, July—Aug. (Winn): Sherbrooke, May (Begin)

**Eumerus** Meigen

**E. strigatus** Fall. — "The Lesser Bulb Fly" Montreal, June—Sept. (Ouellet)
**E. tuberculatus** Rond. — Hemmingford, July—Sept. (Armstrong)

**Xylota** Meigen

**X. angustiventris** Lw. — St. Hilaire, July (Chagnon)
**X. anthreas** Walk. — (**fascialis** Coq.) Montreal (Chagnon): Sherbrooke, May (Begin)
**X. barbata** Lw. — Aylmer, June (Beaulne)
**X. baton** Walk. — (**fraudulosa** Lw.) Montreal, May—June; Joliette, July (Ouellet): Megantic, June; Hull, May—June (Curran): Montfort, June (Chagnon): Ft. Coulonge, July (Beaulne)
**X. bicolor** Lw. — Chelsea, May (Gibson)
**X. curvipes** Lw. — Montreal, June (Ouellet): Quebec (Fyles): Hull, May (Metcalfe): St. Hilaire, (Chagnon): Megantic, June (Curran): Hemmingford, Aug.; Ft. Coulonge, July (Beaulne): Lac la Pêche, June (Dunn)
**X. ejuncida** Say — Montreal, June (Beaulieu): St. Johns, June—July; St. Hilaire, June (Chagnon): Megantic, June; Covey Hill, June (Curran): Joliette, July (Ouellet): Sherbrooke, Sept. (Begin): Ottawa Dist., May (Germain)
**X. flavifrons** Walk. — Natashquan, Aug. (Brown)
**X. florum** Fab. — Aylmer, June (Beaulne): Covey Hill, June (Curran)
**X. hesperia var. atlantica** Shann. Megantic, June (Curran)
**X. pigra** Fab. — Montreal, June (Beaulieu): Joliette, July (Ouellet): Ottawa Dist., June (Germain): Levis, (Roy)
**X. plesia** Curr. — Megantic, June (Curran)
**X. vecors** O. S. — Montreal (Beaulieu): St. Johns Co., July (Chagnon): Megantic, June (Curran): Shawbridge, July (Winn): Levis (Roy)

**Brachypalpus** Macquart

**B. frontosus** Lw. — Montreal, May; Rigaud, May (Chagnon): Woburn, June; Hull, May; Aylmer, May (Curran): Ironside, June (Stohr): Sherbrooke, June (Begin): Levis, May (Roy)
**B. rileyi** Will. — Montreal, May (Beaulieu)

**Criorhina** Meigen

**C. intermedia** Johns. — Berthier, May (Ouellet)

**Cynorrhina** Williston

(**Blera** Billberg)

**C. analis** Macq. — Montreal, June (Ouellet): Aylmer, June (Curran)
**C. armillata** O. S. — Montreal, May (Ouellet): Quebec (Osten Sacken): Piedmont, June (Stevenson): Ottawa Dist., (Germain): Aylmer, May; Woburn, June (Curran)
**C. badia** Walk. (**intersistens** Walk.) Montreal, July (Chagnon): Aylmer, Megantic, June (Curran): Sherbrooke, May (Begin)
**C. confusa** Johns. — Aylmer, July (Curran): Newaygo, June (Chagnon)

**Somula** Macquart

**S. decora** Macq. — Montreal (Stevenson): Joliette (Ouellet): Hull, June (Curran): Ottawa Dist., May (Germain).

**Spilomyia** Meigen

**S. fusca** Lw. — Levis (Fyles): Montreal, June (Cauldfield): Rigaud, Aug. (Chagnon) Covey Hill, Aug. (Petch): Rawdon, Aug. (Ouellet)

**S. longicornis** Lw. — Montreal (Winn)

**S. quadrifasciata** Say — Quebec (Fyles): Montreal, St. Johns, July; Ile Ste Therese, Sept. (Chagnon): Gatineau, July (Beaulieu): Ile Cadieux, Oct. (Winn): Aylmer, Aug.—Sept.; Hull, Sept. (Curran): St. Louis, Aug. (Ouellet): Levis, May (Roy).

**Sphecomyia** Latreille

**S. vittata** Wied. — Montreal (Winn): Hull, Aug. (Beaulieu)

**Temnostoma** St. Fargeau et Serville

**T. alternans** Lw. — Montreal, June—Aug. (Ouellet): Levis (Fyles): Shawbridge, July (Winn): St. Hilaire (Chagnon): Lanoraie, July (Petch): Hemmingford, June (Hammond): Megantic, Hull, June; Aylmer, July (Curran)

**T. bombylans** Fab. — Montreal, St. Hilaire, May—June (Chagnon): Oka, May (Ouellet): Sherbrooke, June (Begin)

**T. excentricum** Harr. — Levis, June (Fyles)

**T. obscura** Lw. — Hemmingford, June (Armstrong): Megantic, June (Curran): Montreal, June (Beaulieu)

**T. trifasciata** Rob. — Montreal, June (Beaulieu): Megantic, Covey Hill, Hull, June (Curran: Ft. Coulonge, June (Beaulne): Shawbridge, July (Winn)

**T. vespiforme** Linn. — (**aequale** Lw.) Newaygo, June (Chagnon): Megantic, June; Woburn, June (Curran)

**Ceriodes** Rondani

**C. abbreviata** Lw. — Levis (Fyles)

**PHORIDAE**

**Trupheoneura** Malloch

**T. pachyneura** Lw. — Montreal (Johnson)

**Dohrniphora** Dahl

**D. concinna** Meig. (**nitidifrons** Brues) Montreal, June; Rigaud, June (Beaulieu).

**Hypocera** Lioy

**H. femorata** Meig. — Rigaud, Aug. (Beaulieu)

**H. flavimana** Meig. — Montreal, Aug. (Beaulieu)

**Megaselida** Rondani

(**Aphiochaeta** Brues)

**M. rufipes** Meig. — Montreal, Apr. (Beaulieu): St. Remi, Oct. (Ouellet): Hemmingford, July (Petch): Ottawa Dist., Apr.—May (Germain)

**Gymnophora** Macquart

**G. quartomollis** Schmitz — Joliette, July (Ouellet): Ottawa Dist., June—Aug. (Germain)

**PLATYPEZIDAE**

**Agathomyia** Verrall

**A. notata** Lw. — Ottawa Dist., May—June (Germain)

**Platypeza** Meigen

**P. velutina** Lw. Montreal (Chagnon): Sherbrooke, Sept. (Begin)
**P. pallipes** Lw. Sherbrooke, Sept. (Begin)

**Microsania** Zetterstedt

**M. stigmaticalis** Zett. (**Platycnema imperfecta** Lw.) Ottawa Dist., May—June (Germain)

## PUNCULIDAE

**Chalarus** Walker

**C. spurius** Fall. Ottawa Dist., May—July (Germain)

**Pipunculus** Latreille

**P. affinis** Cress. Montreal, July (Beaulieu): Megantic, June (Curran) Ottawa Dist., May (Germain)
**P. albofasciatus** Hough Ottawa Dist., May—July (Germain)
**P. appendiculatus** Cress. Berthier, June (Ouellet)
**P. atlanticus** Hough Montreal, June (Chagnon): Aylmer, July (Curran): Lauzon, June (Ouellet).
**P. cingulatus** Lw. Montreal, Rigaud, Aug. (Beaulieu): Hull, June; Aylmer, May (Curran): St. Louis, Aug.; Joliette, July (Ouellet): Ottawa Dist. May—June (Germain).
**P. dicolor** Banks Montreal, Rigaud, July (Beaulieu).
**P. dubius** Cress. Joliette, July (Ouellet).
**P. elegantulus** Will. Levis (Roy).
**P. flavomaculatus** Hough Ottawa Dist., May—June (Germain): Berthier, June (Ouellet).
**P. fuscus** Lw. Montreal, June; St. Hilaire, May (Beaulieu): St. Johns Co. (Chagnon): Hull, June (Ouellet).
**P. horvathi** Kert. Montreal, Sept. (Beaulieu): Ottawa Dist., May—Sept. (Ouellet & Germain).
**P. houghi** Cress. Hemmingford, June (Curran)
**P. lateralis** Walk. Sherbrooke, June (Begin)
**P. nitidiventris** Lw. Montreal, May; Jesus Is., Aug. (Beaulieu): Sherbrooke, May (Begin)
**P. similis** Hough Ottawa Dist., May—July (Germain)
**P. subopacus** Lw. Montreal (Chagnon)
**P. subvirescens** Lw. Montreal (Chagnon)
**P. viduus** Cress. Shawbridge, Sept. (Winn)

## THE SCHIZOPHORA

## CONOPIDAE

**Physcephala** Schiner

**P. affinis** Will. Lanoraie, June (Beaulne)
**P. furcillata** Will. Levis (Fyles): Brome Co., Aug.; East Bolton, Bondville, July. Shawbridge, July—Aug. (Winn): Montreal (Caulfield): Ft; Coulonge, July (Beaulne): Aylmer, July (Hutchings): Covey Hill, Aug. (Petch): St. Louis, Aug. (Ouellet): Ottawa Dist., June (Germain)
**P. sagittaria** Say Levis, July (Fyles)
**P. texana** Will. Montreal, (Chagnon)

**Zodion** Latreille

**Z. abdominale** Say Woburn, June (Curran)
**Z. fulvifrons** Say Montreal (Caulfield): Joliette, July; St. Eustache, Aug. (Ouellet): Ottawa Dist., May—July (Germain): Levis, June (Roy).
**Z. intermedium** Banks St. Placide, July (Chagnon)

**Z. nanellum** Lw. — Montreal (Beaulieu): Shawbridge, July (Winn): Joliette, July; St. Remi, June—Aug.; Lauzon, Val Morin, Aug. (Ouellet): Ft. Coulonge, July (Beaulne): Ottawa Dist., Aug. (Germain)

**Z. perlongum** Coq. — Ft. Coulonge, Aug. (Beaulne)

**Z. sayi** Banks — Ottawa Dist., June (Germain)

**Dalmannia** Robineau-Desvoidy

**D. nigriceps** Lw. — Hull, June (Curran)

**Thecophora Rondani**

(**Oncomyia** Loew)

**T. abbreviata** Lw. — Montreal, Sept. (Chagnon): East Bolton, July (Winn): St. Eustache, Aug.; Joliette, July; St. Remi, June (Ouellet): Ottawa Dist., July (Germain)

**T. infuscipes** V. D. — St. Placide, July (Chagnon).

**T. loraria** Lw. — Montreal, Aug. (Beaulieu): St. Remi Aug. (Ouellet): Ottawa Dist., June—July (Germain): Sherbrooke, Sept. (Begin)

**T. modesta** Will. — St. Louis, Aug. (Ouellet)

**T. propinqua** Adams — Montreal, Aug. (Beaulieu)

**Myopa** Fabricius

**M. obliquefasciata** Macq. — Sherbrooke, Apr. (Begin): Montreal (Chagnon)

**M. vesiculosa** Say — Montreal, June (Chagnon): Hull, Aylmer, May (Curran): Ottawa Dist., May (Germain): Levis, June (Roy)

**M. vicaria** Walk. — Montreal (Chagnon): Hull, May (Curran): Sherbrooke, Apr. (Begin)

**PYRGOTIDAE**

**Pyrgota** Wiedemann

**P. undata** Wied. — St. Hilaire, June; Rigaud, May (Chagnon): Levis (Fyles): Montreal, June (Caulfield): Joliette, July (Ouellet): Cowansville (Fyles): Hemmingford, June (Hammond): Chateauguay Bassin, June (P. Reid): Bondville, Aug.; Rosemere, Shawbridge, July (Winn): Lanoraie, June (Beaulne): Sherbrooke (Begin)

**P. chagnoni** Johns. — Montreal (Chagnon): St. Martin, May (Winn): Aylmer, June (Watson): Kazubazua, June (McDunnough): Fairy Lake, June (Walley): Oka, May (Ouellet): Ottawa Dist., May (Germain)

**PLATYSTOMIDAE**

(Ortalidae)

**Rivellia** Robineau-Desvoidy

**R. flavimana** Lw. — St. Hilaire, June—July; Montreal, June; Châteauguay, July (Chagnon): Gatineau, July (Beaulieu): Hull, July (Beaulne): Ottawa Dist. (Germain)

**R. viridulans** Desv. — St. Johns Co., Aug. (Chagnon): Montreal, June—Aug.; St. Remi, June; Joliette, July (Ouellet): Hemmingford, June (Maltais): Ottawa Dist., July—Aug. (Germain)

**Tephronota** Loew

**T. canadensis** Johns. — Rigaud, July; St. Johns, June—Aug. (Chagnon): Montreal, June—Aug. (Beaulieu): Ottawa Dist., Aug. (Germain): St. Placide, July (Chagnon)

**T. narytia** Walk. — (**ruficeps** Wulp) Rigaud, July (Chagnon): Hemmingford, June (Petch): St. Eustache, Aug.; St. Remi, June (Ouellet): Hull, July (Beaulne): Ottawa Dist., June—Aug. (Germain): Sherbrooke, July (Begin)

**Melieria** Robineau-Desvoidy

**M. ochricornis** Lw. Montreal, June (Chagnon): St. Eustache, Aug.; Joliette, July; St. Louis, Aug. (Ouellet)

**M. similis** Lw. Montreal, July (Beaulieu): Hull, July (Beaulne): Ottawa Dist., June—July (Germain): St. Placide, July (Chagnon):

**Pseudotephritis** Johnson

**P. cribrum** Lw. Levis (Fyles)

**P. vau** Say Montreal, June; Rigaud, June (Beaulieu): Joliette, July; Chambly, May (Ouellet): Knowlton, July (Brown): Coteau du Lac, June (Ide): Hemmingford, June (Beaulne): Aylmer, Aug. (Hutchings)

**Chaetopsis** Loew

**C. aenea** Wied. Ottawa Dist., June (Germain): St. Johns, June (Chagnon): Montreal, May

**C. massyla** Walk. Montreal, Aug.; Rigaud, Aug. (Beaulieu): Levis (Fyles): St. Eustache, Aug.; St. Louis, Aug. (Ouellet): St. Placide, July (Chagnon)

**Seioptera** Kirby

**S. vibrans** Linn. Levis (Fyles): Montreal,(Caulfield): Chateauguay,July(Chagnon): Gatineau, July (Beaulieu): Hull, July (Beaulne): Hemmingford, June (Hammond): Joliette, July (Ouellet): Ottawa Dist., May—Aug. (Germain): St. Placide, June (Chagnon):

**TRYPANEIDAE**

(Trypetidae)

**Straussia** Robineau-Desvoidy

**S. longipennis** Wied. (Peacock Fly or Sunflower Maggot) Quebec; Levis (Fyles): Montreal, June (Caulfield): Joliette, July (Ouellet): Ottawa Dist., July (Germain): Hull, May

**Zonosema** Loew

**Z. electa** Say Hemmingford, July (Hammond)

**Acidia** Robineau-Desvoidy

**A. fratria** Lw. Prov. of Quebec (Johnson): Montreal, June (Ouellet)

**Rhagoletis** Loew

**R. cingulata** Lw. (The White-banded Cherry Fly) Aylmer, Aug. (Curran)

**R. fausta** O. S. (The Dark-bodied Cherry Fly) Covey Hill, June (Brown)

**R. pomonella** Walsh (The Apple Maggot) Rigaud, Aug. (Beaulieu): Covey Hill, Montreal, Como (Lockhead): Hemmingford, July (Petch): Common and widely distributed.

**Terellia** Robineau-Desvoidy

**T. florescentiae** Linn. (**ruficauda** Fab.) Prov. of Quebec (Fyles): Hemmingford, Aug.; Ft. Coulonge, July (Beaulne): Wakefield, July (Howard): Kazubazua, July—Aug. (Walley): Montreal, July (Beaulieu): St. Louis, Aug.; Terrebonne, Aug.; St. Eustache, Aug.; St. Remi, June (Ouellet): Ottawa Dist., July (Germain): Sherbrooke, Aug. (Begin)

**Eutreta** Loew

**E. sparsa** Wied. Quebec; Levis (Fyles): Montreal, July (Beaulieu): Hemmingford, July (Hammond): Shawbridge, Aug. (Winn): Covey Hill, Aug.

(Petch): Joliette, July; Lauzon, Aug. (Ouellet): Ft. Coulonge, Aug. (Beaulne): Ottawa Dist., Aug. (Germain)

**Eurosta** Loew

**E. solidaginis** Fitch (The Golden Rod Gall Fly) Montreal, May—June; Châteauguay, May (Chagnon): Como; Levis (Fyles): Hemmingford, June (Hammond): Common and widely distributed.

**Icterica** Loew

**I. seriata** Lw. Montreal, July (Chagnon): Ottawa Dist., July (Germain)

**Euaresta** Loew

**E. aequalis** Lw. St. Johns Co., Aug.—Sept. (Chagnon): St. Eustache, Aug.; St. Louis, Aug. (Ouellet)

**E. angustipennis** Lw. Ottawa Dist., July (Germain)

**E. bella** Lw. Montreal, June—Aug.; Rigaud, July; St. Johns Co., Aug. (Chagnon): St. Eustache, Aug.; Joliette, July; St. Remi, June—July; St. Louis, July—Aug. (Ouellet): Rougemont, July (Petch): Hemmingford, Aug. (Beaulne): Aylmer, July (Currant): Ottawa Dist., Aug. (Germain)

**E. festiva** Lw. Ottawa Dist., July (Germain)

**Tephritis** Latreille

**T. albiceps** Lw. Quebec (Fyles): Montreal, Aug. (Beaulieu): St. John Co. (Chagnon): Hemmingford, Aug.; Aylmer, June (Beaulne): Ottawa Dist., May—Aug. (Germain)

**T. geminatus** Lw. Hemmingford, May (Armstrong): Joliette, July (Ouellet): Ottawa Dist., July (Germain)

**SEPSIDAE**

**Sepsis** Fallen

**S. cynipsea** Linn. Ottawa Dist., July (Germain)

**S. neocynipsea** Mel. & Sp. Covey Hill, June (Curran)

**S. pectoralis** Macq. Hemmingford, June; Hull, May; Covey Hill, June; Aylmer, May (Curran)

**S. signifera** var. **curvitibia** Mel. Montreal, Sept. (Ouellet): Hemmingford, July—Sept. (Maltais)

**S. violacea** Meig. Montreal, Aug. (Chagnon): Rigaud, June—Aug. (Beaulieu): Hemmingford, June (Beaulne): Megantic, June (Curran): St. Louis, Aug.; Berthier, May; (Ouellet): Sherbrooke, June (Begin)

**Meroplius** Rondani

**M. stercorarius** Desv. Rigaud, Aug (Beaulieu)

**Nemopoda** Robineau-Desvoidy

**N. cylindrica** Fab. Montreal, Aug. (Chagnon): Hemmingford, July (Hammond): Covey Hill, June (Armstrong): Rigaud, June—Aug. (Beaulieu): Megantic June (Curran): St. Remi, Sept., St. Louis, Aug. (Ouellet): Ottawa Dist., July (Germain): St. Laurent, July (Maltais): Sherbrooke, Sept. (Begin)

**N. minuta** Wied. Montreal,Aug. (Beaulieu)

**Themira** Robineau-Desvoidy

**T. minor** Hal. St. Remi, Apr.; St. Louis, Aug.; Berthier, May (Ouellet)

**T. putris** Linn. Montreal, Aug.; Lanoraie, June (Beaulieu): Hemmingford, July (Maltais): St. Remi, June (Ouellet): Woburn, June (Curran): Sherbrooke, May (Begin)

**Saltella** Robineau-Desvoidy

**S. scutellaris** Fall. — Montreal, May—Aug.; St. Louis, Aug. (Ouellet): Hull, Aug. (Hewitt)

## PIOPHILIDAE

**Piophila** Fallen

**P. affinis** Meig. — Rigaud, June—Aug. (Beaulieu): Hemmingford, June (Armstrong)
**P. casei** Linn. — (The Cheese Skipper) Common and widely distributed.
**P. oriens** Mel. & Sp. — Montreal, May (Ouellet)
**P. privigna** Mel. — Montreal, Sept. (Ouellet): Hemmingford, June (Maltais)

## PSILIDAE

**Loxocera** Meigen

**L. collaris** Lw. — Montreal, Aug. (Beaulieu): Ottawa Dist., June (Germain)
**L. cylindrica** Say — Montreal, June; Joliette, July; St. Louis, Aug. (Ouellet): Rigaud, July (Chagnon)
**L. cylindrica** var. **pleuritica** Lw. — Joliette, July (Ouellet): Vaudreuil, June; Montreal, Aug. (Chagnon)

**Pseudopsila** Johnson

**P. collaris** Lw. — Montreal, May (Ouellet)
**P. fallax** Lw. — Joliette, July (Ouellet)
**P. bivittata** Lw. — Quebec (Osten Sacken)

**Psila** Meigen

**P. rosae** Fab. — (The Carrot Rust Fly) Common and widely distributed
**P. sternalis** Lw. — Oka, May (Ouellet)

**Chyliza** Fallen

**C. notata** Lw. — Montreal, May (Ouellet)

## DIOPSIDAE

**Sphyracephala** Say

**S. brevicornis** Say — Rigaud, July (Chagnon): Hemmingford, Oct. (Maltais): Montreal, Aug.; St. Louis, Aug. (Ouellet): Hull, June—Sept. (Curran): Kazubazua, June (Brown)

## EPHYDRIDAE

**Psilopa** Fallen

**P. compta** Meig. — St. Louis, Aug.; Montreal, Apl.—May; Berthier, June (Ouellet)

**Hydrellia** Robineau-Desvoidy

**H. ischiaca** Lw. — Montreal, July (Beaulieu)
**H. obscuripes** Lw. — Ottawa Dist., (Germain)
**H. scapularis** Lw. — Montreal, July (Beaulieu): St. Louis, Aug. (Ouellet)

**Ilythea** Haliday

**I. spilota** Curtis — Hemmingford, Oct. (Maltais)

**Notiphila** Fallen

**N. bella** Lw. — Three Rivers; Ottawa Dist., May—June (Germain)
**N. lœwi** Cress. — Boucherville, July (Ouellet)
**N. scalaris** Lw. — Montreal, July (Beaulieu): St. Louis, Aug. (Ouellet)

**Dichaeta** Meigen

**D. caudata** Fall. (**brevicauda** Lw.) Montreal, Sept. (Beaulieu): Joliette, July; St. Louis, Aug.; Rigaud, July; St. Remi, June (Ouellet): Ottawa Dist., June (Germain)

**Philygria** Stenhammar

**P. fuscicornis** Lw. St. Louis, Aug. (Ouellet)
**P. opposita** Lw. Montreal, May (Beaulieu): St. Louis, Aug. (Ouellet): Ottawa Dist., July (Germain)

**Pelina** Haliday

**P. truncatula** Lw. Montreal, July—Aug. (Beaulieu): St. Louis, Aug. (Ouellet)

**Parydra** Stenhammar

**P. bituberculata** Lw. Montreal, July (Beaulieu): St. Louis, Aug.; St. Remi, June; Lauzon, July; Berthier, June (Ouellet): Ottawa Dist., July (Germain) Sherbrooke, Sept. (Begin): St. Placide July (Chagnon)
**P. limpidipennis** Lw. St. Louis, Aug.; St. Remi, June (Ouellet)
**P. pinguis** Walk. Montreal, July—Aug. (Beaulieu)
**P. quadrituberculata** Lw. Montreal, July (Beaulieu): St. Johns, Sept. (Chagnon): Berthier June (Ouellet)

**Ochthera** Latreille

**O. mantis** DeG. Hemmingford, July (Baker): St. Louis, Aug. (Ouellet): Ottawa Dist., May; Lake McGregor, July (Germain): Ironside, Apr. (Stohr): St. Placide, July (Chagnon)

**Ephydra** Fallen

**E. atrovirens** Lw. Ottawa Dist., June—July (Germain)

**Caenia** Robineau-Desvoidy

**C. bisetosa** Coq. St. Anne de Bellevue, June

**Scatella** Robineau-Desvoidy

**S. oscitans** Walk. Montreal, June—Sept.; St. Louis, Aug.; St. Remi, July (Ouellet): Sherbrooke, Sept. (Begin)
**S. lugens** Lw. Natashquan, June; Mingan, June (Brown):
**S. splomondyl** Sch.? Ottawa Dist., July (Germain)
**S. stagnalis** Fall. Montreal, May—July (Chagnon) Common everywhere.

## CHLOROPIDAE

**Meromyza** Meigen

**M. americana** Fitch "Wheat Steam Maggot" Montreal, July (Beaulieu): Hull, May (Metcalfe): St. Remi, June; Lauzon, June; St. Louis, Aug. (Ouellet)

**Epichlorops** Becker

(**Eurina** Coquillett)

**E. exilis** Coq. Montreal, July (Beaulieu)

**Chloropisca** Loew

**C. glabra** Meig. (**obesa** Fitch; **assimilis** Macq.) Montreal, Man—Aug. (Chagnon): Hull, July; Hemmingford, Aug. (Beaulne): Rigaud, July—Aug.; Roberval,

July (Beaulieu): St. Eustache, Aug.; St. Louis, Aug.; St. Remi, June (Ouellet): Ottawa Dist., July (Germain): Sherbrooke, Sept. (Begin): Harrington Harbour, July (Brown):

**C. grata** Lw. Montreal, (Chagnon): Hull, July (Beaulne): St. Louis, Aug.; Joliette, July (Ouellet): Roberval, July (Beaulieu): Ottawa Dist., July—Aug. (Germain)

**C. rufescens** Coq. Montreal, July; Vaudreuil Co., July (Beaulieu): St. Eustache, Aug.; St. Louis, Aug.; Joliette, July (Ouellet): Ottawa Dist., (Germain)

**C. varipes** Lw. (**prolifica** O. S.) Montreal, June (Beaulieu): St. Johns, May (Chagnon): Sherbrooke,Oct. (Begin)

**Diplotoxa** Loew

**D. messoria** Fall. Joliette, July (Ouellet)

**D. versicolor** Lw. Rigaud, July (Beaulieu): St. Louis, Aug.; Joliette, July (Ouellet): Ottawa Dist., May (Germain)

**Anthracophaga** Loew

**A. sanguinolenta** Lw. Montreal, Is., June; Rouville Co., May (Beaulieu); Kazubazua, June (Brown): Lauzon, July (Ouellet)

**Chlorops** Meigen

**C. certima** Adams St. Louis, Aug. (Ouellet)

**C. inclinata** Beck. Montreal, June (Beaulieu)

**C. melanocera** Lw. Montreal, July; Roberval, July; Rigaud, July (Beaulieu): Ottawa Dist., July—Aug. (Germain)

**C. obscuricornis** Lw. Montreal, July (Beaulieu): Hemmingford, July (Baker): St. Eustache, Aug.; St. Louis, Aug.; St. Remi, July (Ouellet): Tabatière, July (Brown):

**C. proxima** Say Montreal, June (Chagnon)

**C. seminigra** Becker Montreal (Type locality)

**C. subnigra** Coq. Montreal, Aug. (Chagnon)

**C. sulphurea** Lw. Lauzon, June (Ouellet): Sherbrooke, Aug. (Begin)

**C. unicolor** Lw. Montreal, June (Beaulieu)

**Parectecephala** Becker

**P. aristalis** Coq. Rigaud, Aug. (Ouellet)

**P. eucera** Lw. Hemmingford, July (Baker)

**Crassiseta** von Roser

(**Elachiptera**)

**C. costata** Lw. Montreal, May—Sept.; St. Louis, Aug. (Ouellet): Hemmingford, Aug. Reared from sweet corn (Hammond): Chelsea, May (Metcalfe): Sherbrooke, May (Begin)

**C. nigriceps** Lw. Montreal, Sept. (Ouellet)

**Hippelates** Loew

**H. flavipes** Lw. Rigaud, July (Beaulieu): St. Remi, June; Montreal, June (Ouellet)

**H. flavipes** var. **pusio** Lw. Montreal, July; Ottawa Dist. (Beaulieu): Hemmingford, June (Maltais)

**H. nitidifrons** Mall. Montreal (Beaulieu)

**Madiza** Fallen

(**Siphonella** Macquart)

**M. aequa** Beck. Hemmingford, Aug. (Petch)

**M. cinerea** Lw. St. Louis (Ouellet)

**M. glabra** Fall. Montreal, Aug.—Sept. (Ouellet)

**M. halteralis** Coq. Montreal, June (Beaulieu): Rigaud, July (Ouellet)
**M. neglecta** Beck. Montreal, June (Beaulieu)
**M. nigripalpis** Mall. Hemmingford, July (Petch)
**M. oscinina** Fall. (**laevigata** Fall.) Hemmingford, Aug. (Beaulne): Sherbrooke, May (Begin)
**M. parva** var. **provocans** Beck. St. Louis, Aug. (Ouellet)

**Dicraeus** Loew

**D. incongruus** Ald. Terrebonne, Aug. (Ouellet)

**Oscinella** Becker

(**Botanobia** Lioy ?)

(**Oscinis**)

**O. coxendix** Fitch Montreal, June; Rigaud, June—Aug. (Beaulieu): Hemmingford, July (Armstrong): Wakefield, May (Hewitt): Ottawa Dist., March (Germain): St. Louis, Aug.; Joliette, July (Ouellet)
**O. criddlei** Ald. Thunder Bay, June (Brown)
**O. dorsata** Lw. St. Louis, Aug. (Ouellet)
**O. frit** Linn. "The Frit Fly". Montreal, May—Aug. St. Louis, Aug. (Ouellet): Hemmingford, June (Maltais)
**O. frit** var. **pusilla** Meig. (**carbonaria** Lw.) Montreal, June (Beaulieu)
**O. incerta** Beck. Montreal, June (Ouellet)
**O. nitidissima** Meig. (**variabilis** Lw.) Rigaud, June—Aug.; Montreal, Aug. (Beaulieu): Berthier, June (Ouellet)
**O. umbrosa** Lw. St. Louis, Aug. (Ouellet): Hemmingford, June—July (Petch)

**DROSOPHILIDAE**

**Amiota** Loew

(**Phortica** Schiner)

**A. leucostoma** Lw. Montreal, July; Rigaud, July (Beaulieu)

**Stegana** Meigen

**S. coleoptrata** Scop. Montreal, July (Beaulieu)

**Clastopteromyia** Malloch

**C. inversa** Walk. (**D. inversa** Walk.) Sherbrooke, Aug. (Begin)

**Chymomyza** Czerny

**C. amoena** Lw. Montreal, May; Rigaud, Aug. (Beaulieu): Lachine, Aug. (Armstrong) Ottawa Dist., May (Germain)

**Drosophila** Fallen

**D. busckii** Coq. Montreal, Oct. (Ouellet): Hemmingford, Sept. (Armstrong): Levis, June (Roy)
**D. flaveola** Meig. Rigaud, July; Montreal, July—Aug. (Beaulieu)
**D. funebris** Fab. Rouville Co.; Vaudreuil Co. (Chagnon): Montreal, June—July; Rigaud, June (Beaulieu): Ottawa Dist., July (Germain): Hemmingford, Oct. (Maltais): Sherbrooke, Sept. (Begin)
**D. melanogaster** Meig. (**ampelophila** Lw.) Montreal (Cauldfield): Hemmingford, July (Petch): Ste. Anne de Bellevue (Maltais)
**D. ordinaria** Coq. St. Johns Co., Sept. (Chagnon)
**D. quinaria** Lw. Rigaud, June; Montreal, July (Beaulieu): St. Louis, Aug.; St. Remi, Aug.; Joliette, July (Ouellet)
**D. repleta** Woll. Montreal, Nov. (Winn)

**Scaptomyza** Hardy

**S. graminum** Fall. — Montreal, May—Aug.; Rigaud, July—Aug.; St. Hilaire, May (Beaulieu): St. Louis, Aug. (Ouellet): Sherbrooke, May (Begin)

**Leiomyza** Macquart

**L. melanderi** Ald. — Montreal, Sept. (Ouellet)

**GEOMYZIDAE**

**Diastata** Meigen

**D. vagans** Lw. — Montreal, Aug. (Beaulieu)

**Anthomyza** Fallen

**A. tenuis** Lw. — Joliette, July (Ouellet): Rigaud, July (Beaulieu): Bradore Bay, July (Brown)

**Mumetopia** Melander

**M. terminalis** Lw. (**nitens** Mel.) Montreal, July (Beaulieu)

**Chiromyia** Robineau-Desvoidy

(**Scyphella** Robineau-Desvoidy)

**C. femorella** Fall. — Montreal Aug. (Ouellet)
**C. flava** Linn. — Hemmingford, (Maltais): Sherbrooke, June (Begin)

**MILICHIIDAE**

**Pholeomyia** Bilimek

**P. indecora** Lw. — Montreal, May—June; Rigaud, June—July (Beaulieu): St. Remi, June; Jolette, July; Lauzon, May; St. Hilaire, July (Ouellet)

**Desmometopa** Loew

**D. latipes** Meig. — Hemmingford, Aug. (Petch)
**D. m-album** Zett. — Montreal, July (Beaulieu)
**D. m-nigrum** Zett. — Levis, May (Roy)
**D. sordidum** Fall. — Hemmingford, July (Maltais)
**D. tarsalis** Lw. — Rigaud, July (Beaulieu)

**Mallochiella** Melander

**M. halteralis** Coq. — Hemmingford, Oct. (Maltais): Ottawa Dist. (Germain)

**OCHTHIPHILIDAE**

**Ochthiphila** Fallen

**O. aridella** Fall. — Hemmingford, Aug. (Petch)
**O. polystigma** Meig. — Montreal, July (Chagnon); St. Louis, Aug.; Oka, May (Ouellet): Sherbrooke, May (Begin)

**Leucopis** Meigen

**L. nigricornis** Egger. — Ottawa Dist., Aug. (Germain)

**AGROMYZIDAE**

**Odinia** Robineau-Desvoidy

**O. maculata** Meigen — Hemmingford, June (Maltais)

### **Agromyza** Fallen

**A. aeneiventris** Fall. (**plumipes** Mall.) Montreal, June—July; Rigaud, July (Beaulieu): Ottawa Dist. (Germain)
**A. ambigua** Fall. (**neptis** Lw.) Montreal, June; Rigaud, June—Aug. (Beaulieu)
**A. angulata** Lw. (**atra** Meig.) Montreal, July (Beaulieu): Hemmingford, July (Hammond): Joliette, July (Ouellet)
**A. canadensis** Mall. Montreal, Aug. (Beaulieu)
**A. coloradensis** Mall. Natashquan, Aug. (Brown):
**A. coronata** Lw. Sherbrooke, May (Begin)
**A. genualis** Mel. Lauzon, Aug. (Ouellet)
**A. lateralis** Macq. (**H. coquilletti** Mall.) St. Louis, July—Aug. (Ouellet)
**A. marginata** Lw. Montreal, Aug. (Ouellet): Aylmer, May (Metcalfe)
**A. morionella** Zett. Oka, May (Ouellet)
**A. morosa** Meig. (**laterella** Zett.; **magniccrnis** Lw.) Terrebonne, Aug.; St. Remi, June (Ouellet)
**A. nasuta** Mel. Montreal, June (Winn): St. Louis, Aug. (Ouellet): Hemmingford, Aug. (Petch)
**A. parvicornis** Lw. Montreal, July (Beaulieu): "Corn Blotch Leaf Miner"
**A. platyptera** Thom. Lauzon, Aug. (Ouellet)
**A. platyptera** var. **jucunda** Wulp Terrebonne, Aug. (Ouellet): Hemmingford, July (Petch)
**A. posticata** Meig. (**terminalis** Coq.; **taeniola** Coq.) Montreal, Aug.; Rigaud, Aug. (Beaulieu): Joliette, July; Lauzon, Aug. (Ouellet): Aylmer, Aug. (Curran): Hull, Aug. (Ide): Hemmingford, June (Maltais)
**A. pusilla** Meig. (**trifolii** Burg.) (The Serpentine Leaf-miner) Hemmingford, Aug. (Armstrong): St. Louis, Aug. (Ouellet): Sherbrooke, May (Begin)
**A. schineri** Giraud Berthier, June (Ouellet)
**A. scutellata** Fall. Montreal, June; Rigaud, July (Beaulieu)
**A. setosa** Lw. Sherbrooke, May (Begin)
**A. vibrissata** Mall. Montreal, Sept. (Ouellet)
**A. virens** Lw. Montreal, Aug. (Beaulieu)

### **Cerodontha** Rondani

**C. femoralis** Meig. (**dorsalis** Lw.) Hemmingford, Aug. (Petch)

### **Napomyza** Haliday

**N. lateralis** Fall. Montreal, June (Beaulieu)

### **Phytomyza** Fallen

**P. aconite** Hendel (The Larkspur Leaf-miner) Hemmingford, Aug.—Sept. (Hammond)
**P. albiceps** Meig. (**bipunctata** Lw.) Hemmingford, Aug. (Hammond)
**P. aquilegiae** Hardy (The Columbine Leaf-miner) Hemmingford, Aug. (Hammond)
**P. chrysanthemi** Kow. (The Chrysantemum Leaf-miner) Montreal, May (Gibson)
**P. dura** Curr. Thunder River, June (Brown):
**P. obscurella** var. **ilicicola** Lw. Hull, June (Gibson). Reared from **Ilex verticillata, var.tenuifolia.**

## BORBORIDAE

### **Sphaerocera** Latreille

**S. pusilla** Fall. Hemmingford, Oct. (Maltais)
**S. subsultans** Fab. Montreal, July; St. Johns Co., Sept. (Chagnon): Chambly Co. Sept.; Rigaud, July (Beaulieu): Megantic, June (Curran): Ottawa Dist., May (Germain) Hemmingford, June (Armstrong): Sherbrooke, Apr. (Begin)

### **Leptocera** Olivier

### (**Limosina** Macquart)

**L. atra** Adams Hull, Aug., (Curran)
**L. carinata** Spuler Hemmingford, June (Maltais)
**L. crassimana** Hal. Montreal, July; Rigaud, June (Beaulieu)

**L. ferruginata** Stenh. Hemmingford, May—Oct. (Maltais)
**L. fontalis** Fall. Montreal, June; Rigaud, June (Beaulieu): Megantic, June (Curran)
**L. hoplites** Spuler Megantic, June (Curran)
**L. limosa** Fall. Montreal, Sept. (Chagnon): Lanoraie, June (Beaulieu): St. Louis Aug.; St. Remi, Aug., (Ouellet): Hemmingford, Oct. (Maltais)
**L. nasuta** Spuler Rigaud, July (Beaulieu)

**Borborus** Meigen

**B. arcticus** Mall. Ft. Chimo, Ungava Bay (L. M. Turner)
**B. equinus** Fall. Montreal, May—Aug.; Rigaud, Aug. (Beaulieu): Hemmingford, June (Petch): Aylmer, May (Curran): Lauzon, July; Oka, May; Joliette, July; St. Louis, Aug.; St. Remi, June (Ouellet): Ottawa Dist., May—July (Germain): Sherbrooke, Nov. (Begin)
**B. marmoratus** Beck. St. Louis, Aug. (Ouellet)

**Scatophora** Robineau-Desvoidy

(**Olina** Macquart)

**S. carolinensis** Desv. (**geniculata** Macq.) Coaticook, Sept. (Beaulne): Hull, May; Megantic, June (Curran): Wakefield, (Hewitt): Covey Hill, July; Hemmingford, July (Petch): Montreal, July—Aug.; Rigaud, July (Beaulieu): St. Louis, July—Aug. (Ouellet): Ottawa Dist., May—July (Germain)

**SAPROMYZIDAE**

**Lauxania** Latreille

**L. cylindricornis** Fab. Montreal, May; Chambly Co., May—June; Rigaud, June (Beaulieu): Hemmingford, July (Hammond): Covey Hill, June (Armstrong): St. Remi, June; St. Hilaire, June (Ouellet): Ft. Coulonge, July (Beaulne): Meach Lake, June (Gibson): Kazubazua, July (Walley): Sherbrooke, Aug. (Begin)

**Camptoprosopella** Hendel

**C. vulgaris** Fitch Montreal, Aug. (Beaulieu): Hemmingford, July (Hammond): St. Eustache, Aug.; Joliette, July (Ouellet): Ottawa Dist., July (Germain)

**Pseudogriphoneura** Hendel

**P. gracilipes** Lw. Aylmer, Aug. (Curran)

**Minettia** Robineau-Desvoidy

**M. americana** Mall. Covey Hill, June (Armstrong): Aylmer, May—June (McDunnough): Rigaud, June (Beaulieu): Hemmingford, May (Hammond): Montreal, May (Ouellet)
**M. frontalis** Lw. Oka, May (Ouellet)
**M. lupulina** Fab. Montreal, July—Aug.; Rigaud, July (Beaulieu): Hull, Aug.; Ft. Coulonge, July (Beaulne): Hemmingford, July (Armstrong): St. Louis, Aug.; St. Remi, June; Joliette, July (Ouellet): Kingsmere, Aug. (Hewitt): Covey Hill, July (Petch): Wakefield, July (Howard): Ottawa Dist., July (Germain)
**M. obscura** Lw. Montreal, May; Joliette, July (Ouellet): Meach Lake, June (Gibson): Hemmingford, May—July (Hammond): Ottawa Dist., Aug. (Germain): Rigaud, June—July (Beaulieu): Hull, June (Brown): Levis, June (Roy)

**Sapromyza** Fallen

**S. annulata** Mel. St. John, Aug.; Rigaud, July; Montreal, July (Beaulieu)
**S. bispinosa** Fall. Montreal, July (Beaulieu)

**S. brachysoma** Coq. Hemmingford, March (Maltais)
**S. hyalinata** Meig. Hull, July (Beaulne)
**S. pictiventris** Mall. Rigaud, June (Beaulieu): Aylmer, July (Curran): Covey Hill, June (Brown)
**S. quadrilineata** Lw. Montreal, July—Aug.; Rigaud, July (Beaulieu): Lauzon, July (Ouellet)
**S. rotundicornis** Lw. Hemmingford, July (Maltais)
**S. serrata** Mall. Aylmer, July (Curran)

**Homoneura** de Meijere

(**Sapromyzosoma** Malloch)

**H. aequalis** Mall. Kazubazua, July (Walley)
**H. bispina** Lw. Ottawa Dist. (Germain)
**H. compedita** Lw. East Bolton, July (Winn): Montreal (Chagnon): Ottawa Dist., June; Three Rivers, (Germain): Aylmer, Aug. (Curran)
**H. disjuncta** Johns. Hemmingford, July (Hammond): Montreal, June—Aug. (Ouellet): Aylmer, July (Curran)
**H. fratercula** Mall. Lanoraie, June (Beaulieu): Berthier, May (Ouellet): Ft. Coulonge, July (Beaulne)
**H. incerta** Mall. Rigaud, Aug. (Beaulieu)
**H. littoralis** Mall. Lanoraie, June (Beaulieu): Ft. Coulonge, July; Hull, July (Beaulne): St. Placide, July (Chagnon)
**H. philadelphica** Macq. Montreal, July—Aug.; Rigaud, Aug. (Beaulieu): Quebec (Wulp): Sherbrooke, Aug. (Begin): Lake Edward Camp, Aug.

## LONCHAEIDAE

**Lonchaea** Fallen

**L. laticornis** Meig. Hemmingford, July (Armstrong)
**L. nudifemorata** Mall. Aylmer, Aug. (Curran)
**L. polita** Say Montreal; Rigaud, June (Beaulieu): Hemmingford, June—July (Maltais): Hull, July (Beaulne): Aylmer, Aug. (Curran): Joliette, July (Ouellet): Ottawa Dist., July (Germain): Sherbrooke, Sept. (Begin): Levis, May (Roy)
**L. quadrisetosa** Mall. Rigaud, June (Ouellet)
**L. vaginalis** Fall. Montreal, May –Aug. (Ouellet): Hemmingford, July (Maltais): Rigaud, Aug.; Chicoutimi, July (Beaulieu): Hull, July (Beaulne)

## PALLOPTERIDAE

**Palloptera** Fallen

**P. superba** Lw. Missisquoi Co.; Cowansville (Fyles): Quebec (Osten Sacken): Hull July (Ide): St. Placide, July (Chagnon)
**P. arcuata** Fallen. Brador Bay, July (Brown).

## MICROPEZIDAE

**Calobata** Meigen

**C. albiceps** Wulp Quebec (Van der Wulp)
**C. nasoni** Cress. Megantic, June (Curran)
**C. pallipes** Say St. Louis, July—Aug. (Ouellet): Ottawa Dist., May—June (Germain): Sherbrooke, May (Begin)
**C. univitta** Walk. Chateauguay, July; Rouville, Co., July; Vaudreuil (Chagnon): Ottawa Dist., May—June (Germain): Joliette, July (Ouellet): Megantic, June; Hull, June (Curran): Sherbrooke, May (Begin)

**Taeniaptera** Macquart

**T. antennaepes** Say St. Johns, July (Beaulieu): Hemmingford, July (Armstrong): Aylmer, June (McDunnough): Ft. Coulonge, Aug. (Beaulne): Montreal, June; Joliette, July (Ouellet): Ottawa Dist., June—July (Germain)

## CLUSIIDAE

### **Clusia** Haliday

**C. czernyi** Johns. — Montreal, May—June (Ouellet): Ottawa Dist., May—July (Germain)

**C. lateralis** Walk. — Levis; Quebec (Fyles): Montreal, July (Chagnon): St. Placide, July (Chagnon)

### **Clusiodes** Coquillett

#### (**Heteroneura** Fallen)

**C. albimana** Meig. — Rouville Co. (Chagnon)

**C. melanostoma** Lw. — Montreal, June; Rigaud, June (Beaulieu) Sherbrooke, June (Begin)

### **Sobarocephala** Czerny

**S. convergens** Mall. — Joliette, July (Ouellet)

## TETANOCERIDAE

### **Sciomyza** Fallen

**S. aristalis** Coq. — Laval Co. (Beaulieu)

**S. humulis** Lw. — Montreal, July (Beaulieu)

### **Pteromicra** Lioy

**P. albicalceata** Fall. — Berthier, June (Ouellet)

### **Dyctia** Robineau-Desvoidy

#### (**Melina** Robineau-Desvoidy)

#### (**Atrichomelina** Cresson)

**D. albocastata** Fall. — Hull, July (Beaulne)

**D. dorsata** Zett. — Hull, July (McDunnough): Berthier, June (Ouellet)

**D. fuscipes** Macq. — St. Placide, July (Chagnon)

**D. grisescens** Meig. — Montreal, Oct.; Berthier, June (Ouellet)

**D. nana** Fall. — Rigaud, July (Chagnon): Montreal, July (Beaulieu): St. Remi, June; St. Louis, Aug.; Berthier, June (Ouellet): Ottawa Dist., Aug. (Germain)

**D. obtusa** Fall. — Montreal, Sept.; Rigaud, July—Sept.; Berthier, June (Ouellet): Ottawa Dist., Aug. (Germain)

**D. pubera** Lw. — St. Johns Co., Aug. (Chagnon): Montreal, Sept.—Nov.; Berthier, June (Ouellet): Ottawa Dist., July (Germain)

**D. schoenherri** Fall. — (**maculata** Cress.) St. Remi, Sept. (Ouellet): Montreal, June—Aug. (Beaulieu)

**D. trabeculata** Lw. — St. Placide, July (Chagnon)

### **Renocera** Hendel

**R. amanda** Cress. — Hull, June (Curran)

**R. longipes** Lw. — Megantic, June (Curran)

### **Poecilographa** Melander

**P. decora** Lw. — Rigaud, July (Beaulieu): St. Louis, Aug.; St. Remi, June (Ouellet): Ottawa Dist., July (Germain): Montreal, Aug. (Chagnon): Hemmingford, June (Hammond): Knowlton, July; Covey Hill, June (Brown): Hull, June (Metcalf): St. Placide, July (Chagnon)

**Dictyomyia** Cresson

**D. ambigua** Lw. — Montreal, Aug. (Ouellet): Chambly Co., July (Beaulieu)

**Euthycera** Latreille

**E. arcuata** Lw. — Ottawa Dist., (Germain)

**Trypetoptera** Hendel

**T. canadensis** Macq. — (**Tetanocera pallida** Lw.) Montreal; St. Hilaire, June (Chagnon): St. Louis, Aug.; Joliette, July (Ouellet): Hull, June (Metcalfe): Ottawa Dist., July (Germain)

**Dictya** Meigen

**D. umbrarum** Linn. — Montreal; Rigaud, July; Chambly Co., Aug. (Chagnon): St. Louis, Aug.; St. Eustache, Aug.; St. Remi, June (Ouellet): Ottawa Dist., May—Aug. (Germain): (These records are probably all **D. pictipes** Lw.)

**D. pictipes** Lw. — St. Placide, July (Chagnon)

**Limnia** Robineau-Desvoidy

**L. boscii** Desv. — (**combinata** Lw.) Montreal, July (Beaulieu): Rigaud, July (Chagnon): Joliette, July; St. Louis, Aug.; St. Remi, June (Ouellet): Hull, June; St. Placide, July (Chagnon)

**L. saratogensis** Fitch — Montreal, July—Aug.; Rigaud, July (Chagnon): St. Eustache, Aug.; Joliette, July; St. Remi, June (Ouellet)

**Tetanocera** Dumeril

**T. brevis** Cress. — Joliette, July (Ouellet):

**T. clara** Lw. — Joliette, July; Montreal, June (Ouellet)

**T. plebeja** Lw. — Quebec (Fyles): St. Johns, Sept.; Montreal, July—Aug.; Rigaud, May—July (Chagnon): Hull, July (Beaulne & Winn): Three Rivers, Aug.; Ottawa Dist., June—Aug. (Germain): Joliette, July; St. Louis, July; St. Eustache, Aug.; Terrebonne, Aug.; St. Remi, June (Ouellet): Hemmingford, June (Curran): Covey Hill, July (Petch): Chambly Co., July (Begin)

**T. rotundicornis** Lw. — Hull, June; Megantic, June (Curran): Montreal, July (Winn): St. Placide, July (Chagnon)

**T. sparsa** Lw. — Montreal; Vaudreuil Co., July (Chagnon)

**T. triangularis** Lw. — Chambly Co., July; Jesus Is., Aug. (Beaulieu): Covey Hill, July (Petch)

**T. unicolor** Lw. — Hull, June

**T. valida** Lw. — Montreal, June—July; St. Therese Is., July (Chagnon): Longueuil, June (Beaulieu): Brome Co., July (Winn): Ottawa Dist., June) (Germain): Joliette, July; St. Hilaire, June; Lauzon, July (Ouellet).

**T. vicina** Macq. — (**plumosus** Lw.) Montreal, May—July (Beaulieu): Hull, Aug. (Beaulne): St. Therese Is., July; St. John Co., June—Aug. (Chagnon): St. Louis, Aug.; Joliette, Aug.; St. Eustache, Aug.; Terrebonne, Aug.; St. Remi, June (Ouellet): Ottawa Dist., July—Aug. (Germain): Hemmingford, Sept. (Hammond)

**Hedroneura** Hendel

**H. rufa** Panz. — (**Tetanocera lineata** Day) Ottawa Dist., Aug. (Germain): Montreal, Sept.; St. Louis, Aug. (Ouellet): Hemmingford, June (Curran): Missisquoi Bay, July; Covey Hill, July (Brown): St. Placide, July (Chagnon):

**Sepedon** Latreille

**S. armipes** Lw. — St. Johns Co., Sept. (Chagnon): Montreal, Sept.; St. Eustache, Aug.; St. Louis, Aug. (Ouellet): Chelsea, (Richardson): St. Placide, July (Chagnon):

**S. fuscipennis** Lw. — Montreal, July (Beaulieu): St. Eustache, Aug.; St. Remi, Sept.; St. Louis, Aug. (Ouellet): Brome Co., Aug. (Winn): Hemmingford, June (Curran): Ottawa Dist., July (Germain)

**S. pusillus** Lw. — Montreal, Apr. (Beaulieu): Woburn, June (Curran)

## HELEOMYZIDAE

### Tephrochlamys Loew

**T. canescens** Meig. — (**rufiventris** Meig.) Montreal, Apr. (Beaulieu): St. Johns, May (Chagnon): Hemmingford, (Petch): Levis, Apr.—May (Roy): Ottawa Dist., Apr. (Germain): Aylmer, May (Hutchings): Chelsea, June (Gibson): Sherbrooke, Sept. (Begin)

### Suillia Robineau-Desvoidy

**S. assimilis** Lw. — Montreal, Aug. (Chagnon)

**S. longipennis** Lw. — Lauzon, July (Ouellet)

**S. plumata** Lw. — Montreal, June (Ouellet): Rigaud, Aug. (Beaulieu)

**S. quinquepunctata** Say — Montreal, Aug. (Chagnon): Rigaud, July (Beaulieu): Sherbrooke, Sept. (Begin)

### Allophyla Loew

**A. laevis** Lw. — Rigaud, July; Montreal, Aug. (Beaulieu): Aylmer, Aug. (Miss Beaulieu): St. Johns, (Chagnon): Lauzon, June (Ouellet)

### Oecothea Haliday

**O. fenestralis** Fall. — Montreal, May; Berthier, Apr. (Beaulieu): Sherbrooke, Sept. (Begin)

### Anorostoma Loew

**A. marginata** Lw. — Ottawa Dist., June (Germain)

### Scoliocentra Loew

**S. helvola** Lw. — Montreal (Chagnon): Ottawa Dist., July (Germain): Terrebonne, Sept. (Ouellet)

### Heleomyza Fallen

**H. serrata** Linn. — Montreal, May (Ouellet): Levis, May (Roy)

### Pseudoleria Garrett

**P. pectinata** Lw. — Sherbrooke, Apr. (Begin)

## PHYCODROMIDAE

### Coelopa Meigen

**C. frigida** Fall. — Lake Island, June (Brown)

## DRYOMYZIDAE

### Neuroctena Rondani

**N. analis** Fall. — Montreal, June; St. Johns, Sept.; Rouville Co., July (Chagnon): Joliette, July; St. Louis, Aug. (Ouellet): Hemmingford, Sept. (Maltais): Ottawa Dist., June—July (Germain)

### Dryomyza Fallen

**D. varia** Coq. — Rigaud, May (Beaulieu): Ottawa Dist., July (Germain): St. Remi, June (Ouellet)

## OESTRIDAE

### **Hypoderma** Clark

**H. bovis** Linn. — "The Ox Warble Fly" La Trappe, July (Br. Isidore): Richelieu, July (T. E. Lareau): Covey Hill, July (Petch): Hemmingford, Sept. (Hammond): Levis, July (Roy)

### **Bogeria** Austen

**B. grisea** Coq. — Tadousac, Aug. (Winn)

## MUSCIDAE

(Including Gasterophilidae, Anthomyiidae and Scatophagidae)

### **Stomoxys** Geoffroy

**S. calcitrans** Linn. — "The Biting House Fly" Common and widely distributed.

### **Lyperosia** Rondani

(Haematobia)

**L. irritans** Linn. — (**serrata** Desv.) "The Horn Fly" Common and widely distributed.

### **Musca** Linnaeus

**M. domestica** Linn. — "The House Fly" Common and widely distributed.

### **Orthellia** Robineau-Desvoidy
(**Cryptolucilia** Brauer and Bergenstamm)

(**Pseudopyrellia** Girschner)

**C. caesarion** Meig. — Montreal, (Chagnon): St. Louis, Aug.; St. Remi, Sept. (Ouellet): Covey Hill, June (Curran): Aylmer, Apr. (Richardson): Hemmingford, July (Petch)

### **Pyrellia** Robineau-Desvoidy

**P. cyanicolor** Zett. — Montreal, May (Ouellet).

**P. serena** Meig. — Montreal, May; St. Hilaire, Rigaud, July (Ouellet): East Bolton, July (Winn): Aylmer, June—Aug. (Curran & Hutchings): Megantic, June; Hull, May—June (Curran): Hemmingford, June (Petch): Ft. Coulonge, July (Beaulne): Ottawa Dist., July (Germain).

### **Mesembrina** Meigen

**M. latreillei** Desv. — Aylmer, Sept. (Graham)

### **Morellia** Robineau-Desvoidy

**M. micans** Macq. — Levis, June (Roy): Rigaud, May—July; Montreal, Mt. St. Hilaire, June—July (Chagnon): Hull, May (Curran): Hemmingford, June; Covey Hill, July (Petch): St. Louis, Aug.; Joliette, Lauzon, July (Ouellet): Aylmer, June—Aug. (Curran & Graham): Jesus Is., Aug. (Beaulieu): Sherbrooke, Sept. (Begin).

### **Graphomyia** Robineau-Desvoidy

**G. maculata** Scop. — Montreal, Aug. (Chagnon): St. Remi, June; St. Louis, Aug. (Ouellet): Hemmingford, June (Beaulne): Covey Hill, July (Petch): Aylmer, Sept. (Curran).

**Muscina** Robineau-Desvoidy

**M. assimilis** Fall. Montreal, Apr. (Chagnon): Hemmingford, Sept. (Armstrong): Joliette, July (Ouellet): St. Laurent, June (Maltais)

**M. pascuorum** Meig. Montreal, Rigaud, Sept. (Ouellet): Aylmer, Aug.—Sept. (Hutchings).

**M. stabulans** Fall. "The Stable Fly" Montreal, Apr. (Chagnon): East Bolton, July (Winn): Hemmingford, July—Aug. (Hammond): St. Louis, Aug. (Ouellet): Aylmer, July (Hutchings): Covey Hill, June—July (Curran & Walley): St. Laurent, June (Maltais). Common and widely distributed.

**Myospila** Rondani

**M. meditabunda** Fab. Montreal, July (Beaulieu): St. Louis, Aug.; Joliette, July—Aug. (Ouellet): Ottawa Dist., May—Aug. (Germain): Aylmer, July—Aug. (Graham & Hutchings): Megantic, June (Curran): Hemmingford, June—July (Petch & Baker): Natashquan, Aug.; Harrington Harbour, Bradore Bay, July (Brown).

**Gasterophilus** Leach

**G. intestinalis** DeG. (**G.equi**) "The Horse Bot-fly". Hemmingford, Aug. (Hammond): Cowansville, (Fyles): Berthier, Aug. (Ouellet): Levis (Fyles).

**G. nasalis** Linn. "Throat Bot-fly". St. Remi, Aug. (Ouellet)

**Pseudophaonia** Malloch

**P. orichalcea** Stein Aylmer, May—July (Curran & Hutchings): Hemmingford, June (Petch).

**Bigotomyia** Malloch

**B. houghi** Stein Rigaud, July (Beaulieu): East Bolton, July (Winn): Aylmer, June—Aug. (Hutchings): Covey Hill, Aug. (Petch): Hemmingford, July (Hammond).

**Dendrophaonia** Malloch

**D. querceti** Bouche Blanc Sablon, July (Roy)

**Phaonia** Robineau-Desvoidy

**P. apicata** Johann. Rigaud, Aug. (Ouellet): Lake Edward Camp., Sept.; Covey Hill, July (Walley).

**P. brunneinervis** Stein Woburn, June (Ouellet): Harrington Harbour, July; Wolfe Bay, June (Brown).

**P. bysia** Walk. Lake Edward Camp. Sept.; Montreal June (Beaulieu): Hemmingford, June (Hammond).

**P. curvipes** Stein Joliette, July (Beaulieu)

**P. delata** Stein Montreal, May; St. Remi, June (Ouellet): Aylmer, July—Aug. (Curran & Hutchings): East Bolton, July (Winn): Ottawa Dist., July—Aug. (Germain).

**P. errans** Stein Hemmingford, Oct. (Hammond).

**P. nigricans** Johann. (**cayugae** Johann.) Montreal, May (Ouellet).

**P. pectinata** Johann. Montreal, May (Ouellet).

**P. rufibasis** Mall. Hemmingford, July (Hammond).

**P. serva** Meig. Aylmer, July (Hutchings): Seven Islands, July (Waugh): Anticosti Is. Aug. (Johannsen): Levis, June (Roy): Hemmingford, July (MacLeod): Ottawa Dist., July—Aug. (Germain): Montreal; Rigaud, July (Beaulieu): Natashquan, Aug. (Brown).

**P. signia** Walk. Montreal, May—June (Ouellet).

**Dialyta** Meigen

**D. flavitibia** Johann. Rigaud, Aug. (Ouellet): Hemmingford, June—July (Hammond): St. Placide, July (Chagnon):

**Trichopticus** Rondani

**T. diaphanus** Wied. (**signia** Walk.) Montreal, June—Sept. (Ouellet): Aylmer, June (Hutchings): St. Lambert, June (Walley & Brown): Hemmingford, July (Hammond): Sherbrooke, Oct. (Begin)

**T. infestus** Stein (**latipennis** mall.) Aylmer, June (Curran)

**T. innocuus** Zett. Abitibi region, June (Cook): Seven Islands, July (Waugh): Montreal, June; St. Johns, Sept. (Ouellet): Harrington Harbour, July; Little Mekattina Is. July; Mutton Bay, July; Bonne Esperance, July; Mekattina Sanctuary, July; Natashquan, Aug.; Tabatiere, July (Brown)

**T. johnsoni** Mall. Aylmer, July (Curran)

**T. septentrionalis** Stein Abitibi region, Aug. (Cook): Bradore Bay, July; Harrington Harbour, June (Brown)

**T. spiniger** Stein Seven Islands, July (Waugh)

**T. subrostratus** Zett. Mutton Bay, July (Brown)

**Pogonomyia** Rondani

**P. flavinervis** Mall. Aylmer, June (Curran)

**P. nitens** Stein St. Placide, July (Chagnon)

**Hydrotaea** Robineau-Desvoidy

**H. acuta** Stein Montreal, Aug. (Chagnon): Rigaud, June (Beaulieu): Aylmer, Aug. (Curran)

**H. armipes** Fall. Montreal (Chagnon): Chambly Co., May; Roberval, July (Beaulieu): Hull, July (Beaulne): Hemmingford, July (Armstrong)

**H. bispinosa** Zett. Montreal, Aug. (Chagnon)

**H. dentipes** Fab. Montreal, (Chagnon): Seven Islands, June (Waugh): Levis, June (Roy)

**H. houghi** Mall. Montreal, Sept. (Ouellet): Hemmingford, July (Hammond)

**H. metatarsata** Stein Covey Hill, June; Hull, May (Curran): Hemmingford, July (Baker): Wakefield, June (Hewitt)

**H. meteorica** Linn. Abitibi Region, June (Cook)

**H. militaris** Meig. (**impexa** Lw.) Montreal, May—June; Lauzon, June—July; Oka, May; Joliette, July; Megantic, July (Ouellet): Aylmer, June—Sept.; Covey Hill, June (Curran): Knowlton, July (Fisk): Ft. Coulonge, June (Beaulne): Hemmingford, June—July (Baker): Levis, June (Roy)

**H. occulta** Meig. Aylmer, Sept. (Hutchings).

**H. unispinosa** Stein Joliette, July (Ouellet).

**Ophyra** Robineau-Desvoidy

**O. leucostoma** Wied. Quebec (Fyles): Montreal, July; Rigaud, June—Aug. (Beaulieu): Hemmingford, July (Baker): Aylmer, Aug.—Sept. (Curran & Graham): St. Johns, Aug.; Berthier, June; Joliette, July (Ouellet): Ottawa Dist., July (Germain): Sherbrooke, Oct. (Begin): Levis, June (Roy)

**Fannia** Robineau-Desvoidy

(**Homalomyia** Bouche)

**F. aethiops** Mall. Bonne Esperance, July (Brown).

**F. canucularis** Linn. "The Lesser House-fly" Montreal, July (Beaulieu) Hunmingford, July (Petch): St. Johns Co., May (Chagnon): St. Remi, July; Lauzon, Aug. (Ouellet): Seven Islands, July (Waugh): Sherbrooke, Sept. (Begin): Levis, May—June; Quebec, June (Roy): Bradore Bay, July (Brown).

**F. carbonaria** Meig. (**corvina** Verr.) Montreal, May; Oka, May; Joliette, June (Ouellet): Rigaud, July (Beaulieu): Hull, May (Curran).

**F. depressa** Stein Oka, May (Ouellet).

**F. flavibasis** Stein Montreal, July (Beaulieu).

**F. fascula** Fall. — Montreal, July (Beaulieu): Sherbrooke, Sept. (Begin): St. Placide, July (Chagnon):
**F. glaucescens** Zett. — Natasquan, Aug. (Brown).
**F. immaculata** Mall. — Montreal Is., July; Rigaud, July (Beaulieu).
**F. incisurata** Zett. — Montreal, Aug.; Rigaud, Aug. (Beaulieu): Lauzon, Aug.; St. Remi, May (Ouellet): Hemmingford, July (Petch & Baker).
**F. manicata** Meig. — Aylmer, Oct. (Curran).
**F. minutipalpis** Stein — Megantic, June (Curran).
**F. postica** Stein — Aylmer, June (Curran).
**F. scalaris** Fab. — "The Latrine-fly" Montreal, Aug.; Rigaud, Aug. (Beaulieu): Hemmingford, (Petch): Aylmer, May (Curran): St. Remi, June (Ouellet): Sherbrooke, May (Begin).
**F. serena** Fall. — Fairy Lake, June (Brown): Megantic, June; Woburn, June (Curran): Joliette, July (Beaulieu): Oka, May; Ottawa Dist., Aug. (Ouellet)
**F. trimaculata** Stein — St. Louis, Aug. (Ouellet).

**Coelomyia** Haliday

**C. subpellucens** Zett. — Mutton Bay, July; Tabatiere, July; Little Mekattina Is., July (Brown).

**Hebecnema** Schnabl

**H. affinis** Mall. — Rigaud, July (Beaulieu).
**H. umbratica** Meig. — Montreal, May—Aug.; Rigaud, June (Beaulieu): Aylmer, June—Aug. (Curran & Hutchings): Hull, July (Beaulne): Kazubazua, May; Natashquan, Aug. (Brown): St. Louis, Aug.; Oka, May; St. Remi, Sept.; Joliette, July (Ouellet).
**H. vespertina** Fall. — Montreal, July (Beaulieu): East Bolton, July (Winn): Ottawa Dist., Aug. (Germain).

**Mydaea** Robineau-Desvoidy

**M. brevipilosa** Mall. — Aylmer, June (Curran): Knowlton, June (Adams)
**M. discimana** Mall. — Aylmer, June (Curran).
**M. flavicornis** Coq. — Quebec (Coquillett) Type locality.
**M. neglecta** Mall. — Aylmer, June (Hutchings).
**M. nubila** Stein — Montreal, May; Joliette, July (Ouellet).
**M. occidentalis** Mall. — Montreal, May; Joliette, July (Ouellet).
**M. pagana** Fab. — Rigaud, May (Chagnon).
**M. rugia** Walk. — Sherbrooke, May (Begin).
**M. urbana** Meig. — Montreal, July (Chagnon): Rigaud, July (Beaulieu): Aylmer, Sept.:

**Helina** Robineau-Desvoidy

**Spilogaster** Macquart)

**H. aldita** Giglio-Tos — Sherbrooke, Sept. (Begin).
**H. deleta** Stein — Covey Hill, June (Armstrong).
**H. duplicata** Meig. — Montreal, May—Aug.; Joliette, July (Ouellet): Aylmer, Aug. (Curran): Natashquan, June (Brown): St. Placide July (Chagnon):
**H. johnsoni** Mall. — Montreal, May (Ouellet): St. Placide, July (Chagnon):
**H. latifrontata** Mall. — Joliette, July (Ouellet): Natashquan, Aug.; Bonne Esperance, July; Bradore Bay, July; Harrington Harbour, June (Brown).
**H. lucorum** Fall. — Montreal, July—Aug. (Chagnon): Joliette, July; Lauzon, June (Ouellet): Aylmer, Aug. (Graham): Rigaud, July—Aug. (Beaulieu): Hemmingford, July (Armstrong): Ottawa Dist., July (Germain): Bradore Bay, July; Natashquan, Aug. (Brown).
**H. lysinoe** Walk. — Aylmer, Sept.—Oct. (Curran): Covey Hill, June—July (Walley).
**H. marmorata** Zett. — Aylmer, Aug. (Graham): Montreal, Sept. (Ouellet): Sherbrooke, Sept. (Begin): Rigaud, July (Beaulieu): Godbout, July (Roy).
**H. multisetosa** Schnabl — St. Laurent, Aug. (Maltais)
**H. neopoeciloptera** Mall. — Tabatiere, July (Brown).
**H. nigricans** Stein — Aylmer, May—Sept.; Hull, May (Curran): Hemmingford, May (Hammond).

**H. nigripennis** Walk. (**Aricia nitida** Stein) Montreal, May (Ouellet): Aylmer, Aug. (Curran): Bradore Bay, July (Brown): St. Placide, July (Chagnon)

**H. nitens** Stein Montreal, July (Beaulieu): Ottawa Dist., July—Sept. (Germain)

**H. obscurinervis** Stein Montreal, June (Beaulieu)

**H. procedens** Walk. (**uniseta** Stein) Rigaud, June—Aug. (Beaulieu): Aylmer, July—Sept. (Curran & Hutchings): Hemmingford, July (Baker): Montreal, May—Sept.; Joliette, July (Ouellet):

**H. rufitibia** Stein Montreal, May; Joliette, July (Ouellet): Hull, July (Beaulne).

**H. signia** Walk. Montreal, Oct.; Tadousac, Aug.; Orford, June (Winn): Ottawa Dist., July (Germain): Doubtful determination.

**Lispoides** Malloch

**L. aequifrons** Stein Hull, May (Curran): Bradore Bay, July (Brown).

**Limnophora** Robineau-Desvoidy

**L. compuncta** Wied. Montreal, July (Beaulieu): Rigaud, July (Chagnon): Hull, July (Beaulne): Ottawa Dist., July—Aug. (Germain).

**L. discreta** Stein Hull, June—Aug.; Hemmingford, June (Curran).

**L. fumosa** Stein Hull, July (Beaulne): Chicoutimi, July (Beaulieu).

**L. narona** Walk. Hull, July (Beaulne): St. Placide, July (Chagnon):

**Spilogona** Schnabl and Dziedzicki

(**Melanochelia** Rondani)

**S. acuticornis** Mall. Hull, June (Curran)

**S. contractifrons?** Bradore Bay, July; Bonne Esperance, July; Mutton Bay, July (Brown).

**S. rufitibia** Stein Kazubazua, Aug.; Covey Hill, July (Walley): Seven Islands, July (Waugh).

**S. surda** Zett. Montreal, July; Chateauguay, July; Rigaud, July (Chagnon): Ottawa Dist., July—Aug. (Germain).

**Paralimnophora** Malloch

**P. velutina** Mall. Ft. Coulonge, Aug. (Beaulne): Hemmingford, June (Armstrong): Chicoutimi, July (Beaulieu): Aylmer June (Curran): Covey Hill, June—July (Curran & Walley): St. Remi, June; Lauzon, June; St. Hilaire, July (Ouellet).

**Limnospila** Schnabl

**L. albifrons** Zett. Natashquan, Aug. (Brown).

**Tetramerinx** Berg

**T. unica** Stein Joliette, July (Ouellet)

**Lispocephala** Pokorny

**L. alma** Meig. Montreal, Apr. (Ouellet).

**L. alma var. pallipalpis** Zett. Hull, May; Aylmer, May (Curran): Hemmingford, March (Hammond).

**L. erythrocera** Desv. Hull, July (Beaulne): Joliette, July; Ville-Marie, Aug. (Ouellet): Thunder River, June; Harrington Harbour, June; Tabatiere, July; Natashquan, Aug.; Fog Island, June; Quarry Island, June (Brown)

**Lispa** Latreille

**L. albitarsis** Stein Montreal, July (Beaulieu): Hull, July (Beaulne): St. Louis, Aug. (Ouellet): Hemmingford, June (Curran): Ottawa Dist., July—Aug. (Germain).

**L. palposa** Walk. Hemmingford, June (Curran)
**L. sociabilis** Lw. Covey Hill, June (Curran)
**L. tentaculata** DeG. Hemmingford, July (Petch): Covey Hill, June (Curran).
**L. uliginosa** Fall. St. Johns Co., Sept. (Chagnon): Abbotsford, June (Petch): Ft. Coulonge, July (Beaulne).

**Fucellia** Robineau-Desvoidy

**F. maritima** Hal. "The Kept Fly" Montreal, Apr.—Sept. (Ouellet): East Bolton, July (Winn): Aylmer, May—June (Curran & Walley): Vieux Fort, July (Roy): Bradore Bay, July; Ste Genevieve Is. June; Mutton Bay, July; Tabatiere, July; Natashquan, Aug.; Little Mekattina Is., July; Harrington Harbour, June (Brown).

**Anthomyia** Linnaeus

**A. pluvialis,** Linn. Hemmingford, June (Hammond): Ottawa Dist., May—June (Germain).

**Pegomyia** Robineau-Desvoidy

**P. affinis** Stein St. Louis, Aug.; St. Remi, May (Ouellet): Covey Hill, July (Petch): Aylmer, Aug. (Graham): Rigaud, June (Beaulieu): Hemmingford, July (Armstrong).
**P. bicolor** Wied. Levis (Fyles): Montreal, July—Sept. (Winn): St. Remi, June (Ouellet): Covey Hill, July (Walley): Megantic, June; Hull, May; Aylmer, May (Curran): Hemmingford, July—Aug. (Armstrong & Hammond): Beauharnois, June (Ide): Maggots mine in dock leaves (W-B)
**P. calyptrata** Zett. Montreal (Ouellet): Ottawa Dist., May (Germain).
**P. dissecta** Meig. Covey Hill, June (Brown & Walley): Hull, May (Curran): Fairy Lake, June (Walley): Aylmer, May (McDunnough): Kazubazua, June (Brown).
**P. finitima** Stein Aylmer, May (Curran)
**P. fuscofasciata** Mall. Rigaud, May (Beaulieu): Aylmer, Aug. (Curran)
**P. geniculata** Bouche Kazubazua, June (Brown): Covey Hill, June, (Curran)
**P. hyoscyami** Panz. "Spinach Leaf Miner" (**vicina** Lint.) Montreal, Sept. (Ouellet): Lachine, June (Ide): Hemmingford, June (Hammond)
**P. juvenilis** Stein Hemmingford, June; Megantic, June (Curran)
**P. lipsia** Walk. Montreal, June—Aug.; St. Louis, Aug.; Joliette, July—Aug. (Ouellet): Covey Hill, Aug.; Hemmingford, July (Petch): Aylmer, June (Hutchings): Hull, June—Aug. (Curran): Sherbrooke, July (Begin): Ottawa Dist., May (Germain): St. Johns Co., June; Rigaud, May—July (Chagnon).
**P. ruficeps** Stein Ottawa Dist., Aug. (Germain).
**P. triseta** Mall. Montreal, June (Beaulieu).
**P. unicolor** Stein St. Louis, Aug. (Ouellet)
**P. univittata** Rossi St. Johns Co., June (Chagnon)
**P. vittigera** Zett. Montreal, May (Ouellet)
**P. winthemi** Meig. (**latitarsis** Zett.) Montreal, Aug. (Beaulieu): Hemmingford, Oct. (Hammond).

**Eremomyoides** Malloch

**E. cylindrica** Stein Hull, May (Curran): Aylmer, May (Hutchings): Quyon, Apr. (Hammond): Hemmingford, May (Armstrong)
**M. fuscipes** Mall. Aylmer, June (Curran)

**Hydrophoria** Robineau-Desvoidy

**H. ambigua** Fall. Hull, July (Beaulne): Aylmer, Aug. (Curran): Lauzon, July (Ouellet): St. Placide, July (Chagnon)
**H. divisa** Meig. Montreal, May—June (Beaulieu)
**H. proxima** Mall. Montreal, Apr. (Ouellet)

### **Eustalomyia** Kowarz

**E. brixia** Walk. Montreal, Rigaud, June (Beaulieu)
**E. festiva** Zett. Aylmer, July (Curran): Hemmingford, July (Armstrong).
**E. vittipes** Zett. Montreal, June (Beaulieu): Aylmer, June (Curran): Fairy Lake, June (Brown): Ottawa Dist., May—July (Germain)

### **Hylemyia** Robineau-Desvoidy

(Including **Phorbia** Desvoidy and **Chortophila** Macquart)

**H. acra** Walk. Sherbrooke, Sept. (Begin).
**H. alcathoe** Walk. Montreal (Beaulieu): St. Hilaire, May (Chagnon): Covey Hill, June (Armstrong): Joliette, July (Ouellet): Aylmer, May; Hull, May—Aug.; Megantic, June; Hemmingford, June (Curran): Knowlton, June—July (Adams): Kazubazua, June (Ide).
**H. antiqua** Meig. (**Phorbia ceparum** Meig.) "The Onion Maggot" Montreal Island: Hemmingford, June—Oct., (Hammond & Armstrong): Ste Anne de Bellevue, (Baker).
**H. betarum** Lint. (**substriata** Stein) Fairy Lake, June; Bradore Bay, July (Brown).
**H. bicaudata** Mall. Hull, May (Curran)
**H. brassicae** Bouche "The Cabbage Maggot" Montreal, July (Beaulieu): Berthier, June; Joliette, July (Ouellet): Megantic, June (Curran): Coaticook, Sept. (Beaulne): Hemmingford, June (Hammond).
**H. canadensis** Huck. Seven Islands, June—Aug. (Waugh)
**H. cilicrura** Rond. (**Phorbia fusciceps** Zett.) "The Seed Corn Maggot" Montreal, June—Aug. (Chagnon): Chambly Co., May—June; St. Hilaire, May; Rigaud, Aug.; Joliette, July (Beaulieu): Chateauguay, July (Jack): Hull, June, Hemmingford, Aug. (Beaulne): Woburn, June; Megantic, June; Aylmer, May (Curran): Oka, May; Boucherville, June, (Ouellet): Kazubazua, July; Natashquan, Aug. (Brown): Covey Hill, July (Armstrong): Sherbrooke, Sept. (Begin): St. Johns Co., Sept.: St. Placide, June, (Chagnon):
**H. coenosiaeformis** Stein St. Louis, July—Aug.; Montreal, Sept.; Rigaud, Sept.; Berthier, June (Ouellet).
**H. curvipes**, Mall. Hull, May (Curran)
**H. depressa** Stein Lauzon, Aug. (Ouellet): Hemmingford, July (Petch)
**H. flavisquama** Mall. Harrington Harbour, July; Jones Harbour, June; Natashquan, Aug.; Bradore Bay, July (Brown)
**H. fugax** Meig. Rigaud, Aug. (Beaulieu): Laprairie, June; Bradore Bay, July (Brown).
**H. fuscohalterata** Mall. Hull, May (Curran).
**H. gemina** Huck. Bonne Esperance, July (Brown)
**H. hinei** Mall. Hull, May—June; Megantic, June (Curran): Wolf Bay, June (Brown).
**H. innocua** Mall. Rigaud, July—Aug.; Chicoutimi, July; Joliette, June (Beaulieu): Godbout, (Walker).
**H. johnsoni** Stein Montreal, May; Berthier, May (Ouellet): Knowlton, June (Brown).
**H. lasciva** Zett. Hemmingford, June (Curran)
**H. latipennis** Zett. Jones Harbour, June; Wolf Bay, June; Lake Island, June; Mutton Bay, July; Little Mekattina Is., July; Harrington Harbour, Aug. (Brown)
**H. parvicornis** Mall. Natashquan, Aug.; Bradore Bay, July (Brown)
**H. pedestris** Mall. Godbout, July (Walker)
**H. propinquina** Huck. Bradore Bay, July (Brown)
**H. setigera** Stein Natashquan, Aug. (Brown)
**H. tenax** Johann. Joliette, July (Ouellet)
**H. testacea** Stein Montreal, June (Ouellet): St. Placide, July (Chagnon):
**H. trichodactyla** Rond. "The Potato Maggot" Megantic, June (Curran): Montreal, Is., May—Aug. (Beaulieu): Hull, July (Beaulne): Oka (Ouellet).
**H. trivittata** Stein Joliette, July (Beaulieu): Aylmer, Aug. (Hutchings): Lauzon, June—July; St. Remi, June—July (Ouellet)
**H. uniseriata** Stein Bradore Bay, July; Tabatiere, July; Harrington Harbour, July (Brown)
**H. variata** Fall. Aylmer, Oct. (Curran): Berthier, May, (Ouellet).

**Pycnoglossa** Coquillett

(**Pogonomysa** Schnabl and Dziedzicki)

**P. flavipennis** Fall. Montreal, May; Lauzon, Aug. (Ouellet)
**P. proboscidalis** Mall. (**campestris** Huck.) Hemmingford, June; Hull, June (Curran)

**Paregle** Schnabl and Dziedzicki

**P. cinerella** Fall. Seven Islands, June (Waugh): Montreal, June; Rigaud, St. Johns, Sept. (Chagnon): Hemmingford, Aug. (Beaulne): Natashquan, Aug. (Brown): St. Louis, Aug.; Joliette, July; Berthier, June (Ouellet).

**P. radicum** Linn. Roberval, July; Rigaud, June; Montreal, July (Beaulieu): Hull, July; Hemmingford, June (Curran): St. Eustache, Aug.; Joliette, July (Ouellet): Quebec (Fyles): St. Johns, June (Chagnon): Ottawa Dist., July (Germain): Sherbrooke, June (Begin): Aylmer, May—Oct. (Curran & Ozburn): Bradore Bay, July; Harrington Harbour, July; Natashquan, Aug. (Brown).

**Prosalpia** Pokorny

**P. angustitarsis** Mall. Vieux Fort, July (Roy): Natashquan, Aug. (Brown)
**P. silvestris** Fall. Montreal, May (Ouellet): Kazubazua, June; Mutton Bay, July; Harrington Harbour, June (Brown).

**Kingia** Malloch

**K. quintilis** Mall. Harrington Harbour, June; Moscanin, June; Seven Islands, June (Brown): Godbout, July (Walker).

**Hammomyia** Rondani

**H. johnsoni** Stein Berthier, June (Ouellet).

**Eremomyia** Stein

**E. humeralis** Stein Aylmer, May (Hutchings)
**E. vernalis** Huck. Aylmer, May (Hutchings): Quyon, Apr. (Hammond).

**Dexiopsis** Pokorny

**D. lacteipennis** Zett. Montreal (Chagnon)

**Macrorchis** Rondani

**M. alone** Walk. Sherbrooke, May (Begin) Doubtful record.
**M. ausoba** Walk. Montreal, June; Joliette, July; St. Eustache, Aug.; St. Louis, Aug.; St. Remi, June; Berthier, June; Oka, May (Ouellet): Aylmer, June—Sept.; Hull, June; Covey Hill, June; Megantic, June (Curran): Charlevoix, Co., Aug.; Shawbridge, Aug. (Winn): Hemmingford, June (Petch): Rigaud, May (Chagnon): St. Placide, July (Chagnon)

**Coenosia** Meigen

**C. antennalis** Stein Aylmer, Aug. (Curran)
**C. calopyga** Lw. East Bolton, July (Winn).
**C. cilicauda** Mall. Knowlton, June (Brown).
**C. compressa** Stein Joliette, July; Montreal, July (Ouellet).
**C. denticornis** Mall. Roberval, July (Beaulieu): Aylmer, Aug. (Curran)
**C. dichaeta** Mall. Natashquan, Aug. (Brown)
**C. erythroceri** Desv. Aylmer, Apr.; Hull, June (Curran).
**C. flavicoxa** Stein Montreal, June; St. Louis, Aug.; Joliette, July (Ouellet): Hemmingford, June (Maltais).

**C. fuscifrons** Mall. — Oka, May (Ouellet): Megantic, June (Curran) : Hull, July (Beaulne): Kazubazua, June—Aug. (Brown).

**C. humilis** Meig. — (**nana** Zett.) Rigaud, Aug. (Beaulieu): Montreal, Sept. (Ouellet): Ottawa Dist., July (Germain).

**C. hypopygialis** Stein — St. Remi, June (Ouellet).

**C. lata**. Walk. — Montreal, July (Beaulieu): Lauzon, July; Joliette, July ; Oka, May (Ouellet).

**C. nigrescens** Stein — Hemmingford, Sept. (Hammond): Ft. Coulonge, July; Coaticook Sept. (Beaulne): Rigaud, July (Beaulieu) : Covey Hill, June; Natashquan, Aug. (Brown): Kazubazua, Aug. (Walley) : Oka, May; Berthier, June (Ouellet).

**C. ovata** Stein — Montreal, July—Aug. (Beaulieu)

**C. pallipes** Stein — Montreal, June—July; Rigaud, June—July (Beaulieu): Oka, May (Ouellet).

**Caricea** Robineau-Desvoidy

**C. antica** Walk. — Montreal, Aug. (Ouellet)

**Macrocoenosia** Malloch

**M. triseta** Stein — Lauzon, June (Ouellet): Kazubazua, Aug. (Walley) : Covey Hill, June (Brown)

**Hoplogaster** Rondani

**H. molliculus** Fall. — Kazubazua, Aug. (Beaulne): Aylmer, June—Aug. (Curran): Seven Islands, July (Waugh)

**H. nigritarsis** Stein — Joliette, July; Lauzon, Aug. (Ouellet): Seven Islands July (Waugh) Kazubazua, Aug. (Walley)

**Schoenomyza** Haliday

**S. chrysostoma** Lw. — Montreal, July—Aug.; Rigaud, July (Beaulieu): Aylmer, Aug. (Curran): St. Louis, Aug.; St. Remi, June; Joliette, July; Oka, May (Ouellet): Ottawa Dist., (Germain).

**S. dorsalis** Lw. — Montreal, Aug. (Beaulieu): St. Louis, Aug.; Oka, May; Joliette, July; Berthier, June (Ouellet).

**S. leucostoma** Mall. — Montreal, Aug. (Beaulieu): Kazubazua, June (Brown): Aylmer, Sept. (Graham): Hemmingford, June (Curran)

**S. litorella** Fall — Berthier, May (Ouellet).

**Cordilura** Fallen

**C. adusta** Lw. — Ottawa Dist., Apr.—July (Germain)

**C. augustifrons** Lw. — St. Placide, July (Chagnon)

**C. beringensis** Mall. — Thunder River, June (Brown)

**C. browni** Curr. — Bradore Bay, July (Brown)

**C. capillata** Lw. — Sherbrooke, May (Begin)

**C. carbonaria** Walk. — (**gagatina** Lw.) Montreal, June (Beaulieu): Lauzon, Aug. (Ouellet): Hull, May; Covey Hill, June; Aylmer, May; Megantic, June (Curran)

**C. fasciventris** Curr. — Tabatiere, July (Brown)

**C. gilvipes** Lw. — Three Rivers, June (Germain)

**C. gracilipes** Lw. — Montreal, May—June; Joliette, July; Terrebonne, Sept. (Ouellet): Chambly Co., May (Beaulieu)

**C. latifrons** Lw. — St. Louis, Aug.; Berthier, June; Boucherville, July (Ouellet): Ottawa Dist., July—Aug. (Germain): Lanoraie, June (Beaulieu): Laprairie, June (Brown): St. Placide, July (Chagnon)

**C. masconina** Curr. — Masconin, June (Brown)

**C. ontario** Curr. — Bradore Bay, July; Natashquan, Aug. (Brown)

**C. pallida** Fall. — Prov. of Quebec (Van der Wulp)

**C. praeusta** Lw. — Lauzon, June (Ouellet)

**C. setosa** Lw. — St. Placide, July (Chagnon)

**C. terminalis** Lw. — Kazubazua, June—Aug. (Brown)

**C. variabilis** Lw. — Knowlton, June (Brown): Missisquoi Bay, July; Brome Lake, July (Walley)

**Parallelomma** Becker

**P. pleuritica** Lw. — (**C. slossonae** Coq.) Hemmingford, June (Hammond): Montreal, June; St. Placide, July (Chagnon)
**P. scapularis** Lw. — Bradore Bay, July (Brown)
**P. similata** Mall. — St. Placide, July (Chagnon)

**Hexamitocera** Becker

**H. flavida** Coq. — Joliette, July (Beaulieu): Megantic, June (Curran)

**Amaurosoma** Becker

**A. acuticornis** Lw. — Bradore Bay, July (Brown)
**A. nuda** Mall. — Bradore Bay, July; Old Fort Is., July (Brown)

**Achaetella** Malloch

**A. varipes** Walk. — Knowlton, July (Brown): Montreal, June (Chagnon): Hemmingford, July (Hammond): Ottawa Dist., July (Germain) St. Placide, July, (Chagnon)

**Cordylurella** Malloch

**C. costalis** Curr. — Covey Hill, June (Walley): Lake Is., June; Bradore Bay, July; Little Mekattina Is., July; Moscanin, June (Brown)
**C. rufula**. Curr. — Aylmer, July (Curran)

**Orthachaeta** Becker

**O. amoena** Cress. — Hull, June (Curran)
**O. cornuta** Lw. — Hull, June (Curran)
**O. dissimilis** Mall. — Hull, June; Covey Hill, June (Curran): Masconin, June; Lake Is., June (Brown)

**Pselaphephila** Becker

**P. argyriceps** Curr. — Hull, June (Curran)
**P. similis** Coq. — Chambly Co., May (Beaulieu): Hull, May (Curran)

**Microprosopa** Becker

**M. arctica** Mall. — Bradore Bay, July; Harrington Harbour, July; Little Mekattina Is., July (Brown)
**M. volucricaput** Walk. — Ottawa Dist., May-June (Germain)

**Trichopalpus** Rondani

**T. palpalis** Coq. — St. Louis, Aug. (Ouellet)
**T. punctipes** Meig. (**chaetosa** Coq.) St. Johns Co. (Chagnon): Joliette, July (Ouellet): Aylmer, May (Curran): Natashquan, Aug.; Thunder River, June (Brown): St. Placide. July, (Chagnon)

**Megophthalma** Becker

**M. americana** Mall. — Megantic, June (Curran)
**M. lutea** Lw.? — Sherbrooke, Oct. (Begin)

**Spathiophora** Rondani

**S. cincta** Lw. — Laprairie, June (Brown & Walley): Missisquoi Bay, July; Brome Lake, July (Brown): St. Placide, July (Chagnon)

**S. cincta** var. **litoralis** Curr. Aylmer, May (Curran)
**S. fascipes** Beck.? St. Eustache, Aug. (Ouellet)

**Gonarcticoides** Curran

**G. argenticeps** Curr. Lanoraie, June (Beaulieu)

**Scatophaga** Meigen

**S. furcata** Say (**squalida** Meig.) Montreal (Chagnon): May—Sept. (Ouellet): Chambly, May (Beaulieu): Aylmer, May—Oct. (Curran): Lake Edward Camp., Sept. (Hutchings): Sherbrooke, May (Begin): Levis, May (Roy): Natashquan, Aug.; Bradore Bay, July; Quarry Is., June; Harrington Harbour, July (Brown):
**S. islandica** Beck Bradore Bay, July; Quarry Is., June; Net Is., July; Little Mekattina Is., July (Brown)
**S. lutaria** Fab. Joliette, July (Ouellet)
**S. merdaria** Fab. Montreal, July (Beaulieu): Covey Hill, June (Armstrong): Seven Isles, July (Waugh): Laprairie, June (Brown): Lauzon, Aug.; St. Remi, Sept., Joliette, July (Ouellet): Ottawa Dist., May—Aug. (Germain): Levis, May (Roy)
**S. pallida** Walk. Covey Hill, June; Hull, May (Curran): Sherbrooke, May (Begin): Hemmingford, May (Maltais)
**S. stercoraria** Linn. (The Dung Fly). Widely distributed and common. May—Oct.
**S. suilla** Fab. Montreal, May—July; Chambly Co., May (Beaulieu): Vaudreuil Co. Aug. (Chagnon): Aylmer, May; Megantic, June (Curran): Kazubazua, June, (Brown): Rigaud, July (Beaulieu): Sherbrooke, Apr. (Begin): Levis, June (Roy)

**Eugenacephala** Johnson

**E. ruficeps** Curr. Natashquan, June—July (Waugh)
**E. salsa** Johns. Net Is., July; Bradore Bay, July (Brown)

**Hydromyza** Fallen

**H. confluens** Lw. Brome Lake, Aug. (Winn): St. Louis, Aug. (Ouellet): Ottawa Dist., June—July (Germain)

**CALLIPHORIDAE**

(Including Sarcophagidae)

**Cochliomyia** Townsend

**C. macellaria** Fab. "The Screw-worm Fly" Montreal, July (Beaulieu).

**Protocalliphora** Hough

**P. splendida** Macq. Aylmer, Sept. (Curran).
**P. azurea** Fall. Montreal, July—Aug. (Ouellet)

**Phormia** Robineau-Desvoidy

(**Euphormia** Townsend)

**P. regina** Meig. Montreal, June; St. Johns Co., Aug. (Chagnon): Hull, July (Beaulne Hemmingford, Aug. (Armstrong): St. Remi, June (Ouellet): Ottawa Dist., July—Aug. (Germain): Levis, June (Roy)

**Protophormia** Townsend

**P. terrae-novae** Desv. Antiscoti, Is. Aug. (Johannsen): Montreal, July (Beaulieu): St. Johns Co., June (Chagnon): Joliette, July (Ouellet): Ottawa Dist., July (Germain)

**Cynomyia** Robineau-Desvoidy

**C. cadaverina** Desv. Montreal, July (Beaulieu): Hemmingford, May—June (Armstrong): Charlevoix Co., Shawbridge, Aug. (Winn): Abitibi region, July (Cook): Aylmer, Sept. (Graham): Chelsea, June (Gibson): Lauzon, July (Ouellet): Ottawa Dist., July, Three-Rivers, (Germain).

**Calliphora** Robineau-Desvoidy

**C. erythrocephala** Meig. Montreal, July—Aug. (Chagnon): Rigaud, July (Ouellet): Sixteen Island Lake, May (Winn): Ottawa Dist. (Germain): Sherbrooke, May (Begin).

**C. viridescens** Desv. Montreal, May—Sept. (Ouellet): Aylmer, May (Hutchings): Coaticook, June (Beaulne)

**C. vomitoria** Linn. "The Blue-bottle Fly" Levis (Fyles): Hemmingford, June (Armstrong): Montreal, July—Sept. (Chagnon): St. Remi, June (Ouellet)

**Lucilia** Robineau-Desvoidy

**L. caesar** Linn. "The Green-bottle Fly" Levis, June (Fyles): Tadousac, Aug.; East Bolton, July; Bondville, July (Winn): St. Johns Co., July—Aug.; Montreal, July—Aug. (Chagnon): Hemmingford, July—Sept. (Armstrong): Covey Hill, July (Petch): Joliette, July; Rigaud, Aug.; St. Remi, June—Aug.; St. Louis, Aug. (Ouellet): Hull, July (Beaulne): Ottawa Dist., Three Rivers, (Germain): Sherbrooke, Oct. (Begin)

**Phenicia** Robineau-Desvoidy

**P. sericata** Meig. Montreal, Aug.—Sept. (Ouellet): Ottawa Dist., July; Three Rivers, (Germain): Lanoraie, June—July (Petch)

**P. sylvarum** Meig. St. Remi, June; Joliette, July; Montreal, Aug.; St. Louis, Aug.; St. Eustache, Aug. (Ouellet): Ottawa Dist., July—Aug. (Germain) Hemmingford, June—Sept. (Armstrong)

**Pollenia** Robineau-Desvoidy

**P. rudis** Fab. "The Cluster Fly" Common and widely distributed.

**Metopia** Meigen

**M. campestris** Fall. Joliette, July (Beaulieu): Aylmer, May—July (Curran)

**M. lateralis** Macq. Ottawa Dist., July (Germain)

**M. leucocephala** Rossi Montreal, June; Joliette, July; St-Eustache, Aug.; St. Louis, Aug.; Lauzon, Aug. (Ouellet): Hull, July (Beaulne): Aylmer, June—July; Woburn, June (Curran): Hemmingford, Aug. (Armstrong)

**Euaraba** Townsend

**E. grisea** Desv. Aylmer, June (Viereck)

**Pachyophthalmus** Brauer and Bergenstamm

**P. signatus** Meig. Hull, June (Curran)

**Senotainia** Macquart

**S. rufiventris** Macq. Ottawa Dist., Aug. (Germain)

**S. trilineata** Wulp Montreal (Chagnon): St. Louis, Aug.; St. Remi, June; Joliette, July (Ouellet): Hull, Aug.:

**Wohlfahrtia** Brauer and Bergenstamm

**W. vigil** Walk. Montreal, June (Ouellet)

**Helicobia** Coquillett

**H. helicis** Towns — Montreal, July—Aug. (Beaulieu): Hemmingford, July—Aug. (Armstrong: St. Remi, June (Ouellet): Ft. Coulonge, Aug.; Hull, July; Rigaud, July—Aug. (Beaulne): Aylmer, June (Curran): Sherbrooke, May (Begin)

**Sarcophaga** Meigen

**S. aldrichi** Park. — Berthier, June (Ouellet): St. Hilaire, May (Winn): Ottawa Dist., June—Aug. (Germain)

**S. atlanis** Ald. — Montreal, June—Sept.; St. Louis, Aug.; Joliette, July (Ouellet): St. Placide, July (Chagnon)

**S. barbata** Thom. — Montreal, July (Ouellet)

**S. bisetosa** Park. — Joliette, July (Ouellet): Aylmer, June (Watson): Hemmingford, Sept. (Hammond)

**S. bullata** Park. — St. Remi, May—July; Joliette, July (Ouellet)

**S. cimbicis** Towns. — Montreal, Aug.—Sept. (Ouellet): Hemmingford, June—July (Hammond & Armstrong: Aylmer, Aug. (Hutchings): St. Placide, July (Chagnon): Natashquan, Aug. (Brown)

**S. cingarus** Ald. — Aylmer, Aug. (Young)

**S. coloradensis** Ald. — Hull, June; Aylmer, May—June (Curran)

**S. communis** Park. — (**pallinervis** Thom.) Ft. Coulonge, Aug. (Beaulne): Aylmer, May (Curran): Shawbridge, Aug. (Winn). Montreal, Apr.—June; St. Louis, Aug.; Joliette, June; St. Remi, July—Sept. (Ouellet): Ottawa Dist., July—Aug. (Germain): Hemmingford, Aug. (Armstrong): Rougemont, Aug. (Hammond): Natashquan, Aug. (Brown)

**S. haemorrhoidalis** Fall. — Montreal, Sept. (Winn): Joliette, July (Ouellet): Hemmingford, July (Baker): St. Placide, July (Chagnon)

**S. hunteri** Hough — St. Eustache, Aug.; St. Remi, July (Ouellet)

**S. importuna** Walk. — Hemmingford, Aug. (Armstrong)

**S. latisetosa** Park. — (**Chaetoravinia**) Montreal, Sept.; St. Remi, July; St. Eustache, Aug.; St. Louis, Aug. (Ouellet): Chicoutimi, July (Beaulieu): Aylmer, Sept. (Hutchings)

**S. latisterna** Park. — Montreal, May—Aug.; St. Remi, July; Joliette, July (Ouellet): Hemmingford, June (Baker): Aylmer, June (Hutchings)

**S. marginata** Ald. — Montreal, Sept. (Ouellet)

**S. misera var. exuberans** Pand. — Hemmingford, July (Petch): Joliette, July (Ouellet)

**S. misera var. harpax** Pand. — Megantic, June (Curran)

**S. pachyprocta** Park. — Hemmingford, June—Aug. (Armstrong)

**S. parkeri** Ald. — St. Remi, July (Ouellet): Doubtful determination for Quebec specimens. Type locality Jamaica, W. I. (C.E.P.)

**S. peniculata** Park. — Hull, July; Ft. Coulonge, Aug. (Beaulne): Aylmer, Oct. (Curran): Roberval, July (Beaulieu): Montreal, May (Ouellet)

**S. reversa** Ald. — Aylmer, June (Curran): Hemmingford, June (Baker)

**S. sarracenioides** Ald. — Gomin Swamp, (Fyles): Sherbrooke, Oct. (Begin)

**S. scoparia** Pand. — Hemmingford, Aug. (Armstrong)

**S. scoparia var. nearctica** Park. — Montreal, Aug. (Lyman)

**S. sinuata** Meig. — Montreal, Is., July (Beaulieu): Hemmingford, Aug. (Beaulne): St. Remi, June—July (Ouellet): Ottawa Dist., July (Germain): St. Placide, July (Chagnon):

**S. utilis** Ald. — Covey Hill, July (Petch): Montreal, Oct. (Winn)

**S. ventricosa** Wulp — Ottawa Dist., Aug. (Germain)

**TACHINIDAE**

(Including Phasiidae, Megaprosopidae and Dexiidae)

**Cistogaster** Macquart

(**Gymnoclytia** Brauer and Bergenstamm)

**C. diversa** Lw. — Hull, Sept. (Curran): Aylmer, Aug. (Hutchings): Covey Hill, July (Petch): Hemmingford, June (Armstrong)

**C. immaculata** Macq. — Levis, Quebec, (Fyles): St. Louis, St. Eustache, (Ouellet): Ottawa Dist., July (Germain): Montreal, June—Aug. (Chagnon)
**C. occidua** Walk. — Rigaud, June (Beaulieu): East Bolton, July (Winn): St. Placide, July (Chagnon)
**C. pallasii** Towns. — Aylmer, Sept. (Hutchings): Covey Hill, June (Armstrong)

**Gymnosoma** Meigen

**G. fuliginosa** Desv. — Montreal, Aug.; Rigaud, May (Chagnon): Hull, July; Hemmingford, Aug.; Ft. Coulonge, Aug. (Beaulne): Levis, June (Roy): East Bolton, July; Bondville, Aug.; Shawbridge, July—Aug. (Winn) Ottawa Dist., July—Aug. (Germain): Aylmer, Sept. (Hutchings): Covey Hill, July—Aug. (Petch): Megantic, June (Curran): St. Eustache, Aug.; St. Louis, Aug.; St. Remi, Aug. (Ouellet)
**G. occidentale** Curr. — Hemmingford, July (Hammond)

**Phasia** Latreille

(Including **Alophora** R-Desvoidy and **Phorantha** Rondani)

**P. aeneoventris** Will. — Montreal, Sept. (Winn): Ottawa Dist., (Tothill): Hemmingford, Aug. (Beaulne): Covey Hill, Aug. (Armstrong)
**P. calypterata** Towns. — Lanoraie, June (Beaulieu)
**P. diversa** Coq. — Montreal, Sept. (Beaulieu): Aylmer, Sept. (Curran)
**P. fenestrata** Bigot — St. Remi, June (Ouellet)
**P. fumosa** Coq. — Three Rivers, July (Germain): Aylmer, Oct. (Curran)
**P. magnipennis** Johns. — Montreal (Chagnon): Cartierville, June (Winn): St. Hilaire, May; Rigaud, Aug. (Beaulieu): Aylmer, Apr. (Walley)
**P. nitida** Coq. — Sherbrooke, Sept. (Begin): Hull, Sept.; Aylmer, Sept. (Curran)
**P. occidentis** Walk. — Montreal, June; St. Johns, Sept.; Chambly Co., Sept. (Chagnon): Hemmingford, June (Hammond): St. Louis, Aug.; Oka, May (Ouellet): Ottawa Dist., May (Germain)
**P. pulverea** Coq. — Montreal, Oct. (Beaulieu): Aylmer, Sept.; Hull, Sept. (Curran): Ottawa Dist., June (Germain)
**P. subopaca** Coq. — St. Remi, Sept. (Ouellet): Aylmer, Sept. (Curran)
**P. splendida** Coq. — Lauzon, June (Ouellet)

**Trichoclytia** Townsend

**T. atrata** Coq. — Sherbrooke, May (Begin)

**Cryptomeigenia** Brauer & Bergenstamm

**C. menapis** Walk. — Hemmingford, May (Maltais)
**C. ontario** Curr. — Hull, Aylmer, May—June (Curran)
**C. prisca** Walk. — Rouville Co., May; Montreal (Beaulieu): Aylmer, Hull, May (Curran): St. Johns Co., June; Rigaud, May (Chagnon): St. Remi, May; Berthier, June (Ouellet)
**C. simplex** Curr. — Hull, Aylmer, May (Curran)
**C. triangularis** Curr. — Aylmer, May—June (Hutchings): Fairy Lake.

**Eulasiona** Townsend

**E. comstockii** Towns. — Meach Lake, June (Gibson): Chelsea, May (Fyles)
**E. tibialis** Curr. — Aylmer (Curran)

**Schizotachina** Walker

**S. convecta** Walk. — Kazubazua, Aug. (Walley)

**Clausicella** Rondani

**C. johnsoni** Coq. — Ottawa Dist., June (Metcalfe)

**Plectops** Coquillett

**P. melissopodis** Coq. — Hull, July (Beaulne): Kazubazua, Aug. (Walley).

**Lispidea** Coquillett

**L. palpiger** Coq. — Sherbrooke, Sept. (Begin)

**Celatoria** Coquillett

**C. spinosa** Coq. — Chambly Co., May; Montreal, Gatineau, July (Beaulieu): Joliette, July (Ouellet)

**Admontia** Brauer and Bergenstamm

**A. degeerioides** Coq. — Chambly Co., Sept.; Montreal (Beaulieu): Hull, July (Beaulne): St. Johns, Sept. (Chagnon): Hemmingford, July (Hammond)

**A. pergandei** Coq. — Montreal, Sept. (Beaulieu)

**Lixophaga** Townsend

**L. alberta** Curr. — (**Hypostena**) Aylmer, July (Curran)

**L. variabilis** Coq. — St. Johns, Sept. (Chagnon): Montreal, July; Joliette, July (Beaulieu)

**Arrhinomyia** Townsend

(**Methypostena** Townsend)

**A. barbata** Coq. — (**ouelleti** Curr.) Joliette, July (Beaulieu): Covey Hill, Aug. (Armstrong): Aylmer, June—July (Curran): St. Louis, Aug.; Lauzon, June (Ouellet)

**Tachinophyto** Townsend

**T. clemonsi** Towns. — Joliette, July (Ouellet)

**T. floridensis** Towns. — Joliette, July (Ouellet)

**T. variabilis** Coq. — Montreal, July; St. Eustache, Aug. (Ouellet)

**Polidea** Macquart

**P. areos** Walk. — Chambly Co., Sept.; St. Johns Co., Aug.; Montreal, Aug. (Chagnon): East Bolton, July (Winn): Gaspe, Aug. (Lyman): Hemmingford, Aug.; Hull, July (Beaulne): St. Remi, June; Rigaud, Aug.; Lauzon, Aug.; St. Louis, Aug.; St. Eustache, Aug. (Ouellet): Ottawa Dist., July (Germain): Sherbrooke, Sept. (Begin): St. Placide, July (Chagnon)

**Chaetophlepsis** Townsend

**C. tarsalis** Towns. — (**Hypochaeta endryae** Smith) Kazubazua, July (Brown)

**Pelatachina** Meade

**P. pellucida** Coq. — Hull, June.

**Apinops** Coquillett

**A. atra** Coq. — Oka, May (Ouellet)

**Leucostoma** Meigen

**L. atra** Towns. — Hemmingford, Aug. (Beaulne): Berthier, June; Montreal, Aug.; St. Eustache, Aug.; St. Louis, Aug. (Ouellet)

**L. senilis** Towns. — St. Remi, July (Ouellet)

**Hyalomyodes** Townsend

**H. triangulifera** Lw. — St. Johns Co., Aug. (Chagnon): Hull, Sept. (Curran)

**Oestrophasia** Brauer and Bergenstamm

**O. calva** Coq. — Hemmingford, July (Hammond): Ottawa Dist., (Harrington)

**Eubrachymera** Townsend

**E. debilis** Towns. — Aylmer, June (Hutchings)

**Paralispe** Brauer and Bergenstamm

**P. aldrichi** Curr. — Aylmer, July—Aug. (Curran)

**Eutrixa** Coquillett

**E. exile** Coq. — (**masuria** Coq.) Montreal, May (Ouellet)

**Xanthomelana** Townsend

**X. arcuata** Say — Aylmer, July (Curran)
**X. flavipes** Coq. — Terrebonne, Aug. (Ouellet)

**Hemyda** Robineau-Desvoidy

**H. aurata** Desv. — Levis (Fyles): Kingsmere, Aug. (Chrystal).

**Siphophyto** Townsend

**S. floridensis** Towns. — Sherbrooke, May (Begin)

**Bucentes** Latreille

**B. cristata** Fab. — Hull, May—June; Aylmer, May (Curran): Mutton Bay, July (Brown)

**Metaplagia** Coquillett

**M. occidentalis** Coq. — Joliette, July (Ouellet)

**Cyrtophloeba** Rondani

**C. coquilletti** Ald. — (**horrida** Gig.-Tos.) Montreal, Apr. (Chagnon): Ottawa Dist., July (Germain): Sherbrooke, Apr. (Begin)
**C. nitida** Curr. — Aylmer, May; Hull, May (Curran)

**Voria** Robineau-Desvoidy

(**Plagia** Meigen)

**V. ruralis** Meig. — (**americana** Wulp) Hemmingford, Sept. (Armstrong): Lauzon, Aug. (Ouellet): Ottawa Dist. (Gibson)

**Dexodes** Brauer and Bergenstamm

**D. valida** Curr. — Wakefield, July (Ide)
**D. chaetoneura** Coq. — Rigaud, Aug. (Beaulieu): Joliette, July (Ouellet)

**Pseudotractocera** Townsend

**P. lachnosternae** Towns. — St. Remi, June; St. Louis, Aug. (Ouellet).

**Melanophrys** Williston

**M. insolita** Walk. — Montreal, June (Beaulieu): St. Hilaire, May (Winn): Ottawa Dist. (Germain): Aylmer, June (Curran): Levis, May (Roy).

**Aphria** Robineau-Desvoidy

**A. ocypterata** Towns. — Montreal, June (Chagnon): Ottawa Dist., July, (Germain).

**Spathimeigenia** Townsend

**S. aurifrons** Curr. — Mont Laurier, (Dunn)

**Cylindromyia** Meigen

(**Ocyptera** Latreille)

**C. argentea** Towns. — Aylmer, June (Hutchings): Hull, Aug. (Hewitt): Ft. Coulonge, July (Beaulne).

**C. carolinae** Desv. — Quebec (Fyles): Montreal, July (Beaulieu): St. Remi, Joliette, July (Ouellet): Ottawa Dist., July (Germain).

**C. dosiades** Walk. — Montreal, June (Chagnon): Hull, Aug. (Beaulne): St. Eustache, Aug.; St. Remi, May—June (Ouellet): Ottawa Dist., July (Germain): Kazubazua, June—July (Brown & Ide): Aylmer, July (Hutchings): St. Placide, July (Chagnon):

**C. euchenor** Walk. — St. Placide, July (Chagnon):

**Linnaemyia** Robineau-Desvoidy

**L. haemorrhoidalis** Fall. — (**picta** Meig.) Aylmer, Sept. (Curran): Rigaud, June (Beaulieu).

**Bonnetia** Robineau-Desvoidy

**B. comta** Fall. — Hemmingford, Aug. (Hammond): Montreal (Chagnon): Joliette, June (Ouellet): Shawbridge, Aug. (Winn): Ottawa Dist., Aug. (Germain): St. Placide, July (Chagnon):

**Mericia** Robineau-Desvoidy

**E. ampelus** Walk. — Montreal, May; Joliette, July; St. Louis, Aug. (Ouellet): Aylmer, July (Hutchings): Hull, May—June (Curran): Hemmingford, June (Petch): Sherbrooke, May (Begin)

**E. arcuata** Toth. — Montreal, May (Ouellet): Hull, May (Ozburn): Rigaud, July (Beaulieu).

**E. fasciventris** Curr. — Aylmer, June (Curran)

**E. johnsoni** Toth. — Montreal, May (Ouellet)

**E. platycarina** Toth. — Joliette, July (Ouellet): Aylmer, June (Curran).

**Chrysotachina** Brauer and Bergenstamm

**C. alcedo** Lw. — Aylmer, June (Curran)

**Lypha** Robineau-Desvoidy

**L. dubia** Fall. — Ft. Coulonge, July (Beaulne).

**Nemorilla** Rondani

**N. maculosa** Meig. — (**Exorista pyste** Walk.) Hemmingford, Oct. (Hammond): Chicoutimi, July (Tothill).

**Zenillia** Robineau-Desvoidy

**Z. afinis,** Fall. — Ottawa Dist. (Germain): Montreal, Aug. (Chagnon):

**Z. caesar** Ald. — (**Exorista nigripalpis** Towns.) Joliette, July; Montreal, May (Ouellet): Chicoutimi, Maniwaki, Sept. (Tothill).

**Z. cheloniae** Rond. Chelsea (Tothill).
**Z. confinis** Fall. Hemmingford, July (Petch): Montreal (Chagnon): Joliette, July (Ouellet).
**Z. eudryae** Towns. Ottawa Dist. (Fyles): Montreal, May (Winn).
**Z. formosa** Ald. & Webb. Aylmer, July (Curran)
**Z. futilis** O. S. Hemmingford, June; Aylmer, July (Curran): Ottawa Dist. (Fyles): Rougemont, Aug. (Hammond): St. Louis, July (Ouellet).
**Z. helvina** Coq. Montreal, May (Ouellet)
**Z. lobeliae** Coq. Aylmer, June (Curran)
**Z. reclinata** Ald. & Webb. Aylmer, July (Curran): Hemmingford, July (Armstrong).
**Z. vulgaris** Fall. Montreal, Aug.–Sept.; Rigaud, Aug. (Ouellet): Quebec (Fyles): Chicoutimi; St. Sylvestre, St. Gabriel of Brandon, Montcalm, June—July (Sanders): Richmond, May (Beaulieu): Newaygo, June (Winn): Aylmer, June—Aug.; Hull, July (Curran): Parasite of Spruce Bud-worm, **Tortrix fumiferana** Cl.

**Phorocera** Robineau-Desvoidy

**P. claripennis** Macq. Hemmingford, Sept. (Hammond): Montreal, May (Ouellet).
**P. erecta** Coq. Montreal, May (Ouellet)
**P. leucaniae** Coq. Montreal, June (Chagnon): St. Hilaire, May (Beaulieu):
**P. lophyri** Towns. Ottawa Dist. (Aldrich).
**P. noctuiformis** Smith Aylmer, June (Curran).
**P. pachypyga** Ald. & Webb. Wakefield, May (Hewitt).
**P. signata** Ald. & Webb. Aylmer, June (Curran).
**P. silvatica** Ald. & Webb. Chelsea May; Quyon, Apr. (Hammond): Wakefield, May (Hewitt).
**P. slossonae** Towns. Montreal, May (Ouellet).
**P. sternalis** Coq. Aylmer, June; Hull, May (Curran).

**Pseudotachinomyia** Smith

**P. webberi** Smith Aylmer, June (Curran).

**Madremyia** Townsend

**M. saundersii** Will. Ottawa Dist. (Fyles).

**Exoristoides** Coquillett

**E. slossonae** Coq. (**Exorista spinipennis** Coq). Joliette, July (Ouellet) Ironside (Stohr)

**Doryphorophaga** Townsend

**D. aberrans** Towns. Montreal, Aug. (Ouellet): Aylmer, July (Watson)
**D. doryphorae** Riley Aylmer, Oct. (Curran): St. Placide, July (Chagnon)

**Achaetoneura** Brauer and Bergenstamm

**A. aletiae** Riley Montreal (J. W. Buckle)
**A. frenchii** Will. Montreal, May; Joliette, July (Ouellet)

**Phrynofrontina** Townsend

**P. discalis** Towns. Chicoutimi, July (Beaulieu)

**Sturmia** Robineau-Desvoidy

**S. albifrons** Walk. Ottawa Dist., (Fyles): Parasitic on **Leucarctia acraca.**
**S. inquinata** Wulp Montreal, July (Winn): St. Louis, Aug. (Ouellet): Ottawa Dist., (Gibson)
**S. nigrita** Towns. Rigaud, June (Beaulieu): Joliette, July (Ouellet)
**S. phyciodes** Coq. Aylmer, June (Curran)

**Atacta** Schiner

**A. apicalis** Coq. Rigaud, Aug. (Ouellet)

**Weberia** Robineau-Desvoidy

**W. atra** Coq. — Hemmingford, June (Petch)

**Lydella** Robineau-Desvoidy

**L. assimilis** Towns. — Aylmer, June—July (Curran)
**L. eufitchiae** Towns. — Natashquan, Aug. (Brown): Ottawa Dist., (Gibson)
**L. hyphantriae** Toth. — Aylmer, June—Aug. (Curran)
**L. minor** Curr. — Covey Hill, June (Walley)

**Blepharipeza** Macquart

**B. adusta** Lw. — Montreal, June (Winn): St. Johns Co. (Chagnon): Sherbrooke, Sept. (Begin): Parasitic on **Halesidota** larvae.
**B. bicolor** Macq. — Hemmingford, July (Hammond): Aylmer, Aug. (Hutchings)
**B. leucophrys** Wied. — Montreal, June—Aug. (Ouellet): St. Hilaire, May (Chagnon): Chambly Co., May (Beaulieu): Meach Lake, July (Fyles)

**Winthemia** Robineau-Desvoidy

**W. ligustri** Stein — Megantic, June (Curran)
**W. quadripustulata** Fab. — "The Red-tailed Tachina" Montreal, June—Aug. (Beaulieu): Hull, July (Beaulne): Hemmingford, June (Petch): Chambly, June; St. Johns, Aug. (Chagnon): St. Hilaire, May (Winn): Woburn, June (Curran): Aylmer, June—Aug. (Hutchings): St. Louis, Aug.; Joliette, July; St. Remi, July (Ouellet)
**W. sinuata** Reinh. — Montreal, Aug. (Chagnon)
**W. fumiferanae** Toth. — Aylmer, May (Ozburn)

**Erycia** Robineau-Desvoidy

(**Paraphorocera** Brauer and Bergenstamm

**E. arator** Ald. — Chelsea (Fletcher)
**E. celer** Coq. — Trinity Bay, July (Brown)
**E. myoidea** Desv. — Hull, Aug. (J. B. Wallis): Meach Lake (Young). Parasitic on larvae of **Papaipema appassionata.**

**Acemyia** Robineau-Desvoidy

**A. dentata** Coq. — Hull, Aug. (Metcalfe): Sherbrooke, May (Begin): St. Placide, June (Chagnon)

**Exorista** Meigen

(Tachina Meigen)

**E. larvarum** Linn. — (**Tachina mella** Walk., **Tachina utilis** Towns.) Montreal, May—June (Beaulieu): St. Eustache, Aug. (Ouellet): Ottawa Dist., Aug. (Germain): Sherbrooke, Sept. (Begin): Hemmingford, Aug.-Sept. (Hammond)
**E. simulans** Meig. — Rigaud, July (Beaulieu): Montreal, (Chagnon): Ottawa Dist. (Metcalfe): Hemmingford, Aug.—Sept. (Armstrong)

**Tachinomyia** Townsend

**T. apicata** Curr. — Kazubazua, June (Ide): Hull, May (Curran)
**T. robusta** Towns. — Newaygo, June; Tadousac, Aug.; St. Hilaire, May (Winn): Montreal, May—July (Ouellet): Cartierville, May (Sheppard): Ottawa Dist., June (Germain): Kazubazua, June (McDunnough): Aylmer, June (Curran): Covey Hill, July (Petch): Chateauguay (J. Jack): Sherbrooke, May (Begin)
**T. rustica** Fall. — Montreal, May; St. Eustache, Aug.; St. Remi, June—Sept. (Ouellet)
**T. variata** Curr. — Aylmer, June (Hutchings): Lachine, June (Ide)

**Wagneria** Robineau-Desvoidy

**W. helymus** Walk. Montreal, May (Chagnon): Hull, Aug. (Beaulne): Hemmingford, July (Hammond)

**W. sequax** Will. Kazubazua, June (Ide): Aylmer, Sept. (Hutchings): Hull, July (Beaulne): Montreal, July—Sept.; St. Louis, Aug. (Ouellet): Covey Hill, June (Armstrong)

**W. vernata** West Hull, July (Curran)

**Gonia** Meigen

**G. aldrichi** Toth. Hull, (Can. Ent. Vol. LVI, p. 209)

**G. frontosa** Say Quebec (Fyles): Montreal, Apr.—Aug. (Chagnon): Gatineau, July (Beaulieu): Hull, June (Beaulne): Newaygo, June (Winn): Chelsea, May (Richardson): Sherbrooke, Apr. (Begin)

**G. latitarsa** Curr. Hull, Apr.:

**Spallanzania** Robineau-Desvoidy

**S. hesperidarum** Will. Montreal, Aug. (Chagnon): Ville Marie, Aug.; Lauzon, July; Joliette, July; Rigaud, Aug. (Ouellet): Lawrenceville, Aug.; N.-D. of Standbridge, Aug. (Hammond)

**Trichophora** Macquart

**T. septentrionalis** Stein Tadousac, Aug. (Winn)

**Micropalpus** Macquart

**M. impudicus** Rond. Covey Hill, June (Brown)

**Peleteria** Robineau-Desvoidy

**P. anaxias** Walk. Rougemont, Aug. (Hammond): Kazubazua, June (Brown): Aylmer, July—Aug.; Hemmingford, June (Curran): St. Johns, Sept. (Chagnon): (Sherbrooke, Apr. (Begin): Species belonging to **P. robusta** group (Curran)

**P. campestre** Curr. Hemmingford, Aug.—Sept. (Hammond)

**P. confusa** Curr. Rigaud, Aug. (Ouellet): Rougemont, Aug.; Hemmingford, Aug. (Hammond): Aylmer, Sept. (Hutchings): Covey Hill, July (Petch): St. Placide, July (Chagnon)

**P. iterans** Walk. Covey Hill, July (Petch): Lanoraie, June (Beaulieu): Hull, June—July (Beaulne): Aylmer, Oct. (Curran): Hemmingford, Aug.—Sept. (Armstrong): Levis, July (Roy): Montreal, June—Aug.; St. Johns, Sept. (Chagnon): St. Louis, Aug. (Ouellet): Charlevoix Co., Aug. (Winn): Variously identified as **P. prompta** Meig. and **P. tessellata** Fab. (Curran).

**Archytas** Jeannicke

**A. aterrima** Desv. St. Placide, July (Chagnon)

**A. californica** Walk. (**amethystina** Macq., **analis** Coq., **apicifera** Walk. Specimens are of all Canadian Provinces. The species is common throughout its range (Curran). (Can. Ent. Vol. LX, p. 254, 1928)

**Fabriciella** Bezzi

**F. algens** Wied. Montreal, Aug. (Chagnon): Hull, Aug. (Beaulne): Roberval, July Lyman): Charlevoix, Co.; Shawbridge, Aug. (Winn): Joliette, July; Rawdon, Aug. (Ouellet): Aylmer, Aug. (Hutchings): Levis, July (Roy): Sherbrooke, Aug. (Begin): St. Placide, July (Chagnon)

**F. canadensis** Toth. Godbout, July (Walker)

**F. dakotensis** Towns. Aylmer, Sept.—Oct. (Curran, Graham)

**F. dakotensis var. orientalis** Towns. Quebec (Fyles): Aylmer, June—July (Curran): Ft. Coulonge (Beaulne)

**F. hispida** Toth. Natashquan, Aug. (Brown)
**F. latiforceps** Toth. Godbout, July (Walker)
**F. piceifrons** Towns. Shawbridge, Aug. (Winn)
**F. pilosa** Toth. Trinity Bay, July (Brown)

**Epalpus** Rondani

**E. signiferus** Walk. Rigaud, May; Montreal (Chagnon): Hemmingford, June (Petch): Oka, May (Ouellet): Sixteen Island Lake, May; Como, May (Winn): Cartierville, May (Sheppard): Aylmer, May (Hutchings): Levis, May (Roy): Sherbrooke, Apr. (Begin): St. Placide, July: (Chagnon)

**Bombyliopsis** Townsend

**B. abrupta** Wied. Montreal, Aug. (Beaulieu): Rigaud, July; St. Hilaire, July (Chagnon): Covey Hill, July (Petch): Rawdon, Aug. (Ouellet): Shawbridge, July—Aug. (Winn): Kingsmere, Aug. (Chrystal): Meach Lake, July (Gibson): Aylmer, Sept. (Graham): Levis, July (Roy): Sherbrooke, Sept. (Begin)

**Jurinia** Robineau-Desvoidy

**J. decisa** Walk. Montreal, June (Ouellet): Charlevoix, Co., Aug. (Winn): Ottawa Dist., May—Aug. (Germain)

**Microphthalma** Macquart

**M. disjuncta** Wied. Montreal, Aug.; Rouville Co., (Chagnon): Ottawa Dist., July (Germain): Val Morin, Aug. (Ouellet)
**M. michiganensis** Towns. Hemmingford, July—Sept. (Hammond): Aylmer, (Curran): Shawbridge, Aug. (Winn): Covey Hill, July (Petch): Clarenceville, Aug. (Maltais): (**M. phyllophagae** Curr. is a synonym.)

**Rhynchodexia** Bigot

(Including **Ptilodexia** Brauer and Bergenstamm)

**R. confusa** West Aylmer, July (Curran)
**R. harpasa** Walk. Joliette, July (Ouellet): Ottawa Dist., Aug. (Germain):
**R. rufipennis** Macq. Joliette, Aug. (Ouellet)

**Zelia** Robineau-Desvoidy

**Z. vertebrata** Say Montreal, Aug. (Stevenson)

**Myiocera** Robineau-Desvoidy

**M. rava** Wulp Montreal, Aug. (Beaulieu): Ottawa Dist., July (Germain)

**Thelaira** Robineau-Desvoidy

**T. nigripes** Fab. (**leucozona** Panz.) Montreal, Aug. (Beaulieu): Aylmer, June (Curran): Hemmingford, June (Hammond): Joliette, July; St. Hilaire, June (Ouellet): Ottawa Dist., Aug. (Germain): Sherbrooke Oct. (Begin): St. Placide, July (Chagnon)

**Eutheresia** Townsend

**E. canescens** Walk. Aylmer, July (Curran)

**Chaetona** Van der Wulp

**C. nitens** Coq. Aylmer, June—July (Curran)

**Spathidexia** Townsend

**S. clemonsi** Towns. — Hemmingford, Aug. (Hammond): St. Remi, June (Ouellet): St. Placide, July (Chagnon)

**S. dunningii** Coq. — (**Hypostena**) Montreal, Aug. (Beaulieu): Covey Hill, July (Walley): Sherbrooke, May (Begin)

**Estheria** Robineau-Desvoidy

**E. tibialis** Desv. — Montreal, July; St. Johns Co., Aug. (Chagnon): Ottawa Dist., July-Aug. (Germain): Tadousac, Aug. (Winn)

**Dinera** Robineau-Desvoidy

**D. futilis** West — Aylmer, July (Curran)

**PUPIPARA**

**HIPPOBOSCIDAE**

**Ornithoica** Rondani

**O. confluenta** Say — Joliette, (Ouellet)

**Ornithoctona** Speiser

**O. erythrocephala** Leach — Montreal (Caulfield): Aug. (Ouellet): Metis, June (Terrill)

**Ornithoponus** Aldrich

**O. americanus** Leach — Joliette, (Ouellet)

**Olfersia** Wiedemann

(**Pseudolfersia** Coquillett)

**O. fumipennis** Sahlb. — (**maculata** Coq.) Ste. Therese (Mignault): Joliette, June (Ouellet)

**Melophagus** Latreille

**M. ovinus** Linn. — "The Sheep Tick or Sheep Louse-fly" Montreal (Stevenson): Common and widely distributed.

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